

20010308.qrp v02\_n120.qrl.20010308

Date: Thu, 8 Mar 2001 19:03:16 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2120

QRP-L Digest 2120

Topics covered in this issue include:

- 1) [93459] QRPTTF 2001 Dave, will I dream?  
by jaywa5whn@juno.com
- 2) [93460] Battery Charger Schematic/Circuit  
by "blinn" <blinn@smgazette.com>
- 3) [93461] Iambic A versus B  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 4) [93462] pine  
by Fran Flynn <fflynn@adelphia.net>
- 5) [93463] QRPTTF plans  
by "J. Medley" <jmedley@ix.netcom.com>
- 6) [93464] [Fox] Final Log for Fox March 1(us), N8VAR  
by Ron D Doyle <n8var@juno.com>
- 7) [93465] Re: Iambic A versus B  
by K10J <k10j@ditdit.com>
- 8) [93466] Cub Foxes Booming!  
by "Stephen M. King" <frastephen@home.com>
- 9) [93467] [FOX] A Big Thanks To All Cub Foxes  
by "Michael Melland" <badger@vbe.com>
- 10) [93468] OT: Pine  
by "Lynn Geitgey" <lgeitgey@kumc.edu>
- 11) [93469] [MH101] Web error  
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 12) [93470] The St. Louis Vertical.  
by preacher102677@juno.com
- 13) [93471] Five QRP books for QRP SWR/Wattmeter or other?  
by Jeff <fantbb@yahoo.com>
- 14) [93472] FOX: Missed 'em, last time too!  
by "TC Dufresne" <tdufres@radiks.net>
- 15) [93473] RE: Where to get NE602's  
by "Ed Tanton" <n4xy@att.net>
- 16) [93474] Re: The St. Louis Vertical.  
by "David Ek" <ekdave@earthlink.net>
- 17) [93475] FOX: No fur left  
by John Wagner <john@neknetwork.com>
- 18) [93476] SA602AN - Try DC Electronics  
by "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
- 19) [93477] [TMPS] 30 m late at night

by "Chuck Adams, K7Q0" <k7qo@primenet.com>  
20) [93478] Re: pine  
by Chris Trask <ctrask@primenet.com>  
21) [93479] KL7J on 14.039 @ 0615Z  
by david gauding <david.gauding@bbs.galilei.com>  
22) [93480] Troubleshooting problem  
by Stephen Hawkins <grayline@mindspring.com>  
23) [93481] TU QSO  
by "Alan Fryer" <qrpdx@earthlink.net>  
24) [93482] FOX: Thanks!  
by "Ken Kirkley" <ogbc@mindspring.com>  
25) [93483] FLUKE DIGITAL 8800A MULTI METER  
by "Gene Sailsbury" <gsailsbury@mobill1.net>  
26) [93484] Re: QRP++  
by W8IRQ@aol.com  
27) [93485] Re: Iambic A versus B  
by Mike <mmorrow@companet.net>  
28) [93486] Source for large transformers?  
by Ed Kessler <edkess@epix.net>  
29) [93487] Re: pine  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
30) [93488] Re: Source for large transformers?  
by "Paul" <cybrinjn@gis.net>  
31) [93489] OP: 30 meter beacon test tonight  
by "Richard Matthews" <prm@hiwaay.net>  
32) [93490] TiCK Audio Mod  
by Larry Deering <w2gl@qsl.net>  
33) [93491] Re: Source for large transformers?  
by "William H. Launer" <wlauner@mail.win.org>  
34) [93492]  
by <n9vv@n9vv.com>  
35) [93493] RE:  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
36) [93494] Re: Source for large transformers?  
by "Karl F. Larsen" <k5di@zianet.com>  
37) [93495] OT: pgm to print blank logbook pages?  
by <n9vv@n9vv.com>  
38) [93496] RE: pgm to print blank logbook pages?  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
39) [93497] Trying to contact Jim Cates  
by Harris Keith E CONT CNIN <harris\_k@crane.navy.mil>  
40) [93498] PSK31 soundcard questions  
by Stephan Greene <sgreene@patriot.net>  
41) [93499] RE:  
by "Berry, Dennis J." <DennisB@xetron.com>  
42) [93500] Jim Cates Email Address  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
43) [93501] Results of the MARCH SPARTAN SPRINT

by Russ Carpenter <russ@natworld.com>  
44) [93502] FS: Poqet Computer  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
45) [93503] Re: Source for large transformers?  
by "laura halliday" <marsgal42@hotmail.com>  
46) [93504] Re: (no subject)  
by "Bob Tellefsen" <n6wg@earthlink.net>  
47) [93505] Grand Finale Reminder  
by "Bob Tellefsen" <n6wg@earthlink.net>  
48) [93506] FOX: K0PC Announcement for Thursday (Second Notice)  
by Pat Cain <pcain@onvoymail.com>  
49) [93507] FS Partially built HW8  
by Ed Kessler <edkess@epix.net>  
50) [93508] ARS Review of FT-817  
by John Wagner <john@neknetwork.com>  
51) [93509] Re: ARS Review of FT-817  
by Phil Wheeler <w7ox@earthlink.net>  
52) [93510] 2001 QRPTTF from the VLA  
by "Paul Harden, NA5N" <na5n@rt66.com>  
53) [93511] FOX: W8RU Dual CubFox Preliminary Log and Comments (long)  
by Ron Majewski <majewski@erim-int.com>  
54) [93512] RE: pgm to print blank logbook pages?  
by "Tom Dufresne" <tdufres@hotmail.com>  
55) [93513] Re: Source for large transformers?  
by "Steven Weber" <kd1jv@moose.ncia.net>  
56) [93514] FS: Poqet Computer- sold.... sorry  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
57) [93515] QRPTTF Special Operation at the VLA  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
58) [93516] OT: telocity dsl gateway noise solutions?  
by christian void <cvoid@morphine.com>  
59) [93517] RE: pgm to print blank logbook pages?  
by "Acito, William" <William.Acito@brooks.com>  
60) [93518] 6m Handheld (Slightly OT)  
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
61) [93519] Variable cap measurement by area viable  
by "Stuart Rohre" <rohre@arlut.utexas.edu>  
62) [93520] Re: source for large transformers  
by n2go@arrl.net  
63) [93521] Re: your mail  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
64) [93522] Still cleaning...Astron RS-35M  
by "Steve Hanson" <ke1lg@qsilver.net>  
65) [93523] Now Showing: The ARS Sojourner  
by Richard Fisher <ki6sn@yahoo.com>  
66) [93524] Manhattan is moving to Arkansas  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
67) [93525] Fox: Fox cub log 3/7/2001

by John Wagner <john@neknetwork.com>  
68) [93526] Re: QRPTTF Special Operation at the VLA  
by John Wagner <john@neknetwork.com>  
69) [93527] Re: Variable cap measurement by area viable  
by "Bob Duckworth" <wb4mnf@atl.org>  
70) [93528] Re: Manhattan is moving to Arkansas  
by "Bruce Kizerian" <kizerian@ced.utah.edu>

-----  
Date: Wed, 7 Mar 2001 17:01:47 -0700  
From: jaywa5whn@juno.com  
To: qrp-1@lehigh.edu  
Subject: [93459] QRPTTF 2001 Dave, will I dream?  
Message-ID: <20010307.170152.-649853.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Our first choice was in grid square DM65 next to a monolith {For the  
locals, the Chevy on a stick NW of the VA Hospital in Albuquerque, aka  
Ugly\_Fixed\_Object}

We had changed our minds.

It's so secret where we will be setting up even we don't know where the  
location is. ; -)

However, we will be in grid square DM64.

Alledgely, parts of a UFO are in storage nearby to our site.

72...UFO WA5WHN DM64 One  
who actually lives on Jupiter {the Street}

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 7 Mar 2001 16:14:01 -0800  
From: "blinn" <blinn@smgazette.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93460] Battery Charger Schematic/Circuit

Message-ID: <006701c0a764\$ae869e40\$80b8e5d8@blinn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Need to rebuild a couple of car battery chargers. Would appreciate a schematic with parts values if someone has this info or, perhaps, where on the Internet I can find it?

Thanks,  
Bill - WA7TQK

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-----  
Date: Wed, 7 Mar 2001 20:56:10 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>  
Subject: [93461] Iambic A versus B  
Message-ID: <200103072056\_MC2-C80A-7C26@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
    charset=ISO-8859-1  
Content-Disposition: inline

Gang:

Probably this has been asked and answered many times, but here goes anyway--what is the difference between Iambic A and Iambic B? Some say that they prefer this one over that one, or someone hates this one or that one, etc.

Any help will be appreciated. Thanks in advance.

72,  
--Doc/K0EVZ

-----  
Date: Wed, 07 Mar 2001 21:06:28 -0500  
From: Fran Flynn <fflynn@adelphia.net>  
To: cybrinjn@gis.net, qrp-l Discussion <qrp-l@Lehigh.EDU>

Subject: [93462] pine  
Message-ID: <3AA6E924.D2F042CC@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>As to choice of client, that is a very personal thing -- I prefer Pine, but  
>some would find it hard to work with.

I like Pine too, but then my ISP dropped the Unix shell account.  
Unless I set up a Loonix box, I'm stuck in Winblows world. I agree  
with html or http simply not being a part of smtp or pop3, different  
services, different protocols. But... it seems like Aol and others  
seem to be leading the way, so I guess we have to allow for that.

At least on this list, it is much easier to read your comments without  
all the html tags. I try to make sure my html tags are set to off, no  
matter what mail software I use. It's just like Qrp and morse code, the  
simplest way seems to work best most often. (Notice how I worked "Qrp"  
in  
to this post)

72 es 73

-Fran Km1z

-----  
Date: Wed, 07 Mar 2001 19:27:07 -0700  
From: "J. Medley" <jmedley@ix.netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [93463] QRPTTF plans  
Message-ID: <3AA6EDFB.1322E1FE@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Special station K1ZZ writes that he plans "to start on 20m and then  
move to the other bands as things slow down."

Jan N0QT

-----  
Date: Wed, 7 Mar 2001 21:37:58 -0500  
From: Ron D Doyle <n8var@juno.com>  
To: fpqrp-l@mpna.com, qrp-l@lehigh.edu, QFOX@egroups.com  
Subject: [93464] [Fox] Final Log for Fox March 1(us), N8VAR

Message-ID: <20010307.213835.-398611.5.n8var@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I think I got it all so here is the final Log for my run as the March 1st (US) fox.

72 de Ron, N8VAR

| Time | Call   | RST | State    | Name   | Pwr |
|------|--------|-----|----------|--------|-----|
| 2:01 | n4aar  | 559 | ok       | don    | 5w  |
| 2:03 | n1ln   | 559 | tx       | bruce  | 5w  |
| 2:04 | w9xu   | 559 | wi       | lon    | 5w  |
| 2:05 | nk9g   | 559 | wi       | rick   | 5w  |
| 2:06 | n4roa  | 559 | va       | dan    | 4w  |
| 2:07 | wa9tze | 559 | wi       | jim    | 5w  |
| 2:07 | n5et   | 559 | tx       | jim    | 5w  |
| 2:09 | k8cv   | 559 | mi       | walt   | 5w  |
| 2:10 | n9aw   | 559 | wi       | Jerry  | 5w  |
| 2:11 | k4adi  | 559 | sc       | frank  | 5w  |
| 2:13 | k1oj   | 559 | tx       | oj     | 5w  |
| 2:14 | n9ne   | 559 | wi       | todd   | 5w  |
| 2:15 | k5eoa  | 559 | la       | wayne  | 5w  |
| 2:16 | n0ar   | 559 | mn       | scott  | 5w  |
| 2:17 | wb8icn | 579 | mi       | mike   | 5w  |
| 2:20 | w5yr   | 559 | tx       | george | 5w  |
| 2:23 | k5vuu  | 559 | tx       | ed     | 5w  |
| 2:24 | k5zty  | 559 | tx       | bill   | 5w  |
| 2:26 | ab8df  | 579 | mi       | ed     | 5w  |
| 2:27 | aa2pf  | 579 | ny       | dave   | 5w  |
| 2:28 | ae9k   | 559 | wi       | brian  | 1w  |
| 2:29 | w0ufo  | 559 | mn       | bill   | 5w  |
| 2:30 | xa5t   | 559 | swmexico |        | 4w  |
| 2:32 | k0mp   | 559 | co       | bill   | 5w  |
| 2:33 | kb9bvn | 559 | in       | brian  | 5w  |
| 2:34 | n0ur   | 559 | mn       | jim    | 5w  |
| 2:35 | w9hl   | 579 | il       | randy  | 5w  |
| 2:35 | kb9yig | 559 | in       | tony   | 2w  |
| 2:37 | n3ao   | 599 | pa       | carter | 5w  |
| 2:38 | k0evz  | 569 | nd       | doc    | 5w  |
| 2:39 | w0pwe  | 599 | ia       | jer    | 5w  |
| 2:40 | k0pc   | 559 | mn       | pat    | 5w  |
| 2:42 | k9is   | 559 | wi       | stan   | 5w  |
| 2:43 | w3smk  | 559 | nj       | steve  | 5w  |
| 2:44 | kc1fb  | 559 | ct       | jim    | 5w  |
| 2:46 | w5hb   | 559 | tx       | bill   | 5w  |
| 2:46 | n0it   | 559 | mo       | dave   | 5w  |

2:47 we9k 559 wi glenn 5w  
2:48 w3ng 559 pa goody 5w  
2:49 w3eek 579 pa carl 5w  
2:51 kk5ld 559 tn dan 4w  
2:52 n5je 559 tx jimmie 5w  
2:53 n1fn 559 co et 5w  
2:53 w5pf 599 tx paul 5w  
2:55 ab5xq 559 ar bill 5w  
2:56 kb1ens 559 vt john 5w  
2:57 k4byf 559 fl jack 5w  
2:58 af4ps 579 fl mac 4w  
2:59 n2zhy 559 nj dave 5w  
3:01 ac5jh 559 ok tom 5w  
3:03 n2ww 559 co larry 5w  
3:04 ws4s 579 tn conard 5w  
3:05 k4tjd 559 ga tom 5w  
3:06 kv2x 559 ny tom 5w  
3:07 w3pnl 589 pa joe 3w  
3:09 kr5c 559 tx george 5w  
3:10 wa5oje 559 tx dan 5w  
3:11 n8ie 559 oh dan 5w  
3:12 kr5n 559 tx mar 5w  
3:14 w0rsp 559 sd Ade 5w  
3:18 k4bb 459 ky ken 5w  
3:19 wa5rej 559 tx allen 5w  
3:20 kq5u 599 tx terry 5w  
3:22 k7fd 559 or john 5w  
3:23 n5ib 559 la jim 5w  
3:24 n1tp 559 fl tom 5w  
3:25 w5hns 559 tx henry 5w  
3:26 k0fpr 579 co al 5w  
3:27 w5usj 559 tx chuck 5w  
3:29 ve6ex 559 ab dan 5w  
3:32 k9iua 559 il kevin 5w  
3:33 n5tw 599 tx tom 5w  
3:34 nq7x 559 az floyd 5w  
3:36 k5dw 559 tx don 5w  
3:39 w0ch 559 mo dave 5w  
3:40 ki0ii 599 co ron 5w  
3:41 ac5ii 559 ok don 5w  
3:42 w4im 559 va john 5w  
3:42 n5ji 559 tx rich 5w  
3:44 k5jhp 559 tx bill 5w  
3:45 kf2p 559 ny nick 5w  
3:47 w5tb 559 tx doc 5w  
3:48 k5ln 559 tx bill 5w  
3:49 n0dsp 559 co tom 5w  
3:50 w3eru 559 md wes 5w



3:51 nk7m 449 az bob 5w  
3:52 ve3fal 599 ont fred 5w  
3:53 n5tu 579 tx earl 5w  
3:54 kj0c 559 mo jim 5w  
3:55 wu9f 559 wi terry 5w  
3:56 va6rf 569 ab earl 5w  
3:56 k7re 559 az brain 5w  
3:58 w2xn 559 fl fred 5w  
3:59 kr0hn 479 mn Rohn 5w  
0 n8var xxx oh ron 5w

Ron Doyle  
n8var@arrl.net

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-----  
Date: Wed, 07 Mar 2001 20:43:24 -0600  
From: K10J <k1oj@ditdit.com>  
To: 70511.3041@compuserve.com, Low Power Amateur Radio Discussion <qrp-  
l@Lehigh.EDU>  
Subject: [93465] Re: Iambic A versus B  
Message-ID: <001a01c0a779\$8c747e20\$0b01a8c0@main>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Doc,  
Iambic A and B refer to dot and dash memory. In mode A, the pressing of the  
other paddle is not registered until the present character is completed. In  
mode B, pressing the other paddle will be remembered and after the  
completion of the current character, the next will be sent. I prefer mode B.  
OJ---K10J  
ditdit

-----  
Date: Wed, 7 Mar 2001 21:49:12 -0500  
From: "Stephen M. King" <frastephen@home.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [93466] Cub Foxes Booming!  
Message-ID: <06c501c0a77a\$5c2a5220\$eb600c18@burl1.nj.home.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Both John (KB1ENS) and Ron (W8RU) are booming into NJ tonight! I am really going to miss the Fox Hunts -- thanks to everybody who made this a great series (both Fox and Cubs)! Can't wait for the summer hunts!

73,  
Stephen  
W3SMK

P.S. N4ROA -- great signal @ 100mw into NJ!

-----  
Date: Wed, 7 Mar 2001 20:57:57 -0600  
From: "Michael Melland" <badger@vbe.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93467] [FOX] A Big Thanks To All Cub Foxes  
Message-ID: <001701c0a77b\$9561bb40\$5c834d40@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Great night for the hound from Wisconsin. I bagged John at 0205 and Ron by 0210..... Ron has been especially elusive for me this season but he sure was booming in here tonight. Perhaps Ron's been a hard fox to nab for me because he's close to me as was Fred who was also hard to bag. I did get skunked on 5 occasions.... no signals heard or conditions so bad that I figured all my calling would contribute to the hunt was qrm <grin>. I had never participated in a fox hunt or for that matter any actual cw "event". On a "good day" I'm an honest to goodness 13 wpm General just like the day I took my cw test... but during the summer when I operate more from the field (my first love) I'm sure I can speed up a bit since these hunts have kept me from getting rusty. I had a ball !

You foxii gave me two nights a week of escape and I was in the hunt every night you were out there. I thank all of you ..... qrp, sure meet the nicest people here. Why I even have expressed interest in being a "field" station on some weekends this summer to Karl... maybe a Badger hunt anyone ???

Regards all..... 73 de Mike, W9WIS

btw I'm embarrassed that you heard me flub my name to Ron the fox the first

time.... phone was ringing, wife was hollering and one of our two darn Siamese cats (Mao) jumped on my keyer at the same time <grin>... there really isn't a "V" in "Mike" <grin>

--

Michael Melland, W9WIS  
Winneconne, Wisconsin, USA EN54pc  
QRP-L #1656 QRP-ARCI #9875  
IPARC #252 SOC #142  
<http://www.vbe.com/~badger>

-----  
Date: Wed, 07 Mar 2001 21:19:57 -0600  
From: "Lynn Geitgey" <lgeitgey@kumc.edu>  
To: <qrp-l@lehigh.edu>  
Subject: [93468] OT: Pine  
Message-ID: <saa6a60b.062@gatedo.kumc.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

For the benefit of those who are unaware of it, there is a version of Pine =  
for windows95/98/ME/NT4/2000.

Available at:<http://www.washington.edu/pine/pc-pine/>

Lynn Geitgey  
Remote Access Specialist  
University of Kansas Medical Center  
G018 Sudler  
3901 Rainbow Blvd  
Kansas City, KS 66160-7171  
(913)588-4683

-----  
Date: Thu, 08 Mar 2001 03:27:19 +0000  
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>  
To: qrp-l@lehigh.edu  
Subject: [93469] [MH101] Web error  
Message-ID: <5.0.2.1.0.20010308032320.00a207f0@pop.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

There is a typo. I linked to swl30+.pdf and it should be swl30.pdf

ftp isn't working into qsl.net right now, so I'll fix it ASAP. If you are in a hurry, you can point your browser to the file.

Since last Friday I have had nothing but grief trying to get stuff done on the Internet. Seems that the napster crowd is causing my ISP lots of grief....

And for those of you wondering. After we get the SWL-30 done I'm thinking of going back to the NN1G Mark 2, which can be done on any band for those of you tired of 40, 30, and 20 meter rigs.....

And another note. The ARRL does recognize 17m endorsement for DXCC. But not the other WARC bands.

FYI

Chuck Adams, K7QO

Prescott, AZ            k7qo@primenet.com    <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001    Mar 01, 2001    Q's = 297 States = 42 Counties = 254 DXCC = 11  
SWL-30 with CMOS 3 keyer and HB Iambic Paddle    0.500W and vee-beam

States Needed    AK   DE   IN   MS   RI   VT   VA   WV

DXCC --- K   XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08

-----  
Date: Wed, 7 Mar 2001 22:51:41 -0500  
From: preacher102677@juno.com  
To: qrp-1@Lehigh.EDU, nogaqrp@qth.net  
Subject: [93470] The St. Louis Vertical.  
Message-ID: <20010307.225145.-115429.0.preacher102677@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

All the designs I see involve a 20 foot fishin' pole, mines a short 13 footer. Is there a way to get that one to work, or do I need to spend more money on the beastie?  
Also, be on you're guard, my MS 15 is operational, putting out a whooping 4 watts (even better, if the reflecto-meter is calibrated acuarately.)  
later cats.

LIC,  
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."  
Photographer, Philosopher, Preacher, Pirate, Poet.  
DE KG4GVL Clear.

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 7 Mar 2001 20:10:09 -0800 (PST)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-1@lehigh.edu>  
Subject: [93471] Five QRP books for QRP SWR/Wattmeter or other?  
Message-ID: <20010308041009.36948.qmail@web10004.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I have the following QRP books that I'd like to trade them for a QRP SWR/Wattmeter. Would be willing to trade them for possibly something else if no watt meter shows up. The books are;

QRP Notebook  
W1FB's QRP Notebook  
Solid State Design  
QRP Power  
QRP Classics

All in good condition.

Thanks and 73!

Jeff

=====  
AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071  
Radical FIST Member 6798

-----  
Do You Yahoo!?  
Get email at your own domain with Yahoo! Mail.  
<http://personal.mail.yahoo.com/>

-----  
Date: Thu, 8 Mar 2001 04:01:13 -0000  
From: "TC Dufresne" <tdufres@radiks.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [93472] FOX: Missed 'em, last time too!  
Message-ID: <008501c0a784\$6bc0e820\$0501a8c0@computer1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Darn! Wouldn't ya know the cable guy shows up at 0300z hrs, just the time I have allotted to fox hunting!

Well, needless to say, I didn't have time to out-fox the fox! Did learn a bit about cable TV and signal routing though, which MAY prove to be useful down the road. (PS Have you ever seen the meter THOSE guys use? Wow!)

Anyway, I did hear him about 0357z, and tried and tried, but no joy. I didn't have much time to try and "aim high to hit" or anything. <sigh> Oh well, next year!

Tom  
KC0GXX

-----  
Date: Wed, 7 Mar 2001 23:21:26 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93473] RE: Where to get NE602's  
Message-ID: <CKEGICNFDIMCEKEDCEHFIEDHGFAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well... encouraged by the information last FRI about Radio Shack HAVING SA602AN 8-pin DIP ICs \*\* IN STOCK \*\* at the web page listed below, I ordered 5 using the credit card. 'Regular' GROUND shipping was specified, and the 5

came in today. Net cost, incl. S/H was: \$19.09. Not all that cheap, but fairly quickly done, and quality parts in a piece of static foam..

Unfortunately, as I checked their website/SA602AN page before writing this, I found that they have added a note stating they are out of them. I guess it'd be wasted praise now.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

ref:

<http://www.radioshack.com/product.asp?catalog%5Fname=CTLG&category%5Fname=CTLG%5F010%5F005%5F002%5F006&product%5Fid=900%2D7085>

-----  
Date: Wed, 7 Mar 2001 21:30:39 -0700  
From: "David Ek" <ekdave@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [93474] Re: The St. Louis Vertical.  
Message-ID: <000701c0a788\$88c86840\$0100a8c0@oldman>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Go ahead and try the 13-foot pole. You'll need a tuner anyway for the original SLV design. You can probably support a full-size quarter wave vertical for 15 or 10m, BTW.

Some of us replaced the multiple turns of twinlead on the original design with a tappable coil (I wrapped mine on a core of foam pipe insulation). Find the right place to tap the coil and you can forego the tuner.

73 de Dave AB0GO

-----  
Date: Wed, 07 Mar 2001 23:35:01 -0500  
From: John Wagner <john@neknetwork.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [93475] FOX: No fur left

Message-ID: <3AA70BF5.FAF1624E@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Man, what a BLAST that was. Started out on 7.138 and listened down, it was clear sailing. Picked up AF4PS 1 down with a big signal right off. Nice to hear a familiar call. It was pretty steady until about 0300z, then it got noisy. That was OK, 'cause that was the time I was planning on doing the Fox lambada with W8RU, Ron. I went up to 7.142 and there he was; the two cub foxii did the forbidden dance at 0304z - Ron had a real BIG signal here, I gave him a 55N 'cause that's what was keyed into my brain at that point. The interlude was brief, we traded pelts, Ron said GL and off I went...

Into an absolute quagmire of noise! 7.138 was a disaster. [a brief side note here; when I was first licensed in 1999 I thought the novice portion of 40m was somebody's idea of a cruel joke!]. I hunted around for a while and finally settled on 7.141. I figured 1Khz down from Ron wouldn't crowd him since he was listening up and I was listening down. I thought about this a lot during the second hour and hope I didn't 'cause him any interference. I don't think I did, but these are the kinds of things you think about when doing this fox thing.

Handed out quite a few pelts the second hour but definitely wasn't as busy as the first. I'd imagine the QSY didn't help much.

One thing I learned about the FT-817 the hard way tonight; DO NOT turn the RIT while transmitting, you will change your calling freq (drastically!). I did this a few times. Those listening might have actually heard my palm slapping my forehead.

The FT-817 likes batteries: Started out with a 4.5ah Gel Cell charged to 12.56v. Turned the rig on at 0145z and mostly listened 'till 0200z. Turned it off at 0400z. Voltage measured 11.77v. Although my wattmeter was showing 5w output the entire time, I did notice the power icon on the rig popping on near the end.

Final tally looks like 55 pelts including myself. Quite a few mw'ers in there too. My personal goal was 50, so I'm really happy. Thanks very much to all the hounds who showed up, especially those that stuck it out and didn't get in the log. I gave it my best, even squeaked a few hounds out by ESP! Will post the log tomorrow.

73,



John, KB1ENS  
Holland, VT

--

John Wagner - john@neknetwork.com  
Web page: <http://www.neknetwork.com>

-----  
Date: Wed, 7 Mar 2001 23:40:55 -0800  
From: "Gary McCaughey" <MAIL4GARY@worldnet.att.net>  
To: <QRP-L@lehigh.edu>  
Subject: [93476] SA602AN - Try DC Electronics  
Message-ID: <00c901c0a7a3\$22d276a0\$f6dd4d0c@garymcca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I picked up a dozen about 10 days ago from DC Electronics  
<http://www.dckits.com/>  
They have lots of good stuff at decent prices. The SA602AN  
(NE602) is \$2.50 plus shipping of course. Bottom of page  
<http://www.dckits.com/rf1.htm>

Gary  
W2UX  
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

-----  
Date: Thu, 08 Mar 2001 04:51:36 +0000  
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>  
To: qrp-l@lehigh.edu  
Subject: [93477] [TMPs] 30 m late at night  
Message-ID: <5.0.2.1.0.20010308044520.00a22cf0@pop.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

OK Gang,

You gotta dig out the ole rigs like the 38-special, etc.  
You can do it with mW!!

I was calling CQ on the band and worked yet another IL station. So it's late and I can still hear stns I decide to tune down to around 10.109MHz --- I tend to hang around 10.116-10.119MHz.

I hear this dude calling CQ at about 35+ wpm, so I know he has gotta be DX and he is trying to avoid a pileup. Sure enough a ZS6 but no takers. What the heck. Sure enough first call and he comes back.

But in 44 yrs of hamming this was the highlight. He doesn't just pop back an RST and do a BK. We carry on a QSO for 8 mins. Discussing wire beams etc. A joy to work South Africa DX and get a QSO out of the guy. I'm sure there are a large number of DX stations that hate the pileups day in and day out.

You just gotta love this hobby. And especially when the bands are good and the solar flux is up there. We just got off the downside of a high A-index so band recovery is nice at this time.

FYI es cu

Will trade a country for a state.... :-) ;-)

Chuck Adams, K7QO  
Prescott, AZ            k7qo@primenet.com    <http://www.qsl.net/k7qo>    <http://moon.pr.erau.edu/~adamsc>

TMPS-2001    Mar 01, 2001    Q's = 311 States = 42 Counties = 261 DXCC = 12  
SWL-30 with CMOS 3 keyer and HB Iambic Paddle    0.500W and vee-beam

States Needed    AK   DE   IN   MS   RI   VT   VA   WV

DXCC --- K   XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08   ZS6

-----

Date: Wed, 7 Mar 2001 23:13:47 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Fran Flynn <fflynn@adelphia.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93478] Re: pine  
Message-ID: <Pine.BSI.3.96.1010307230844.24216B-1000000@usr09.primenet.com>  
MIME-Version: 1.0

On Wed, 7 Mar 2001, Fran Flynn wrote:

Not so fast. My ISP claimed to have done the same thing, but I reached one tech support fellow who told me how to be able to continue using the shell access. After you dial in and get a connection, click on the START key at the bottom left of your screen. Then select RUN, and in the window type TELNET, then click on OK. You'll be right back into the shell world that you've become used to.

The TELNET programme in Windows is not as nice as whatever you were using earlier. I downloaded NetTerm, tried it, then paid the \$30 license fee. Haven't regretted it one bit.

```

      .------.
    /   What's all this   \
 / extinct stuff, anyhow? /
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     \       \   :. \
     \       | ) _| :. \
     \       | | | | \
     \       c _; c _; ' - . ' > . _

```

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Thu, 08 Mar 2001 00:10:15 -0600  
From: david gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [93479] KL7J on 14.039 @ 0615Z  
Message-ID: <5.0.2.1.0.20010308000738.00aa1330@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

KL7J on 14.039 @ 0615Z

Nice signal from Les for us nightowls.

Using Argo 515 and 2W to SLX vertical.

Good luck and good morning! <g>

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Thu, 08 Mar 2001 04:12:34 -0800  
From: Stephen Hawkins <grayline@mindspring.com>  
To: qrp-l@Lehigh.EDU  
Subject: [93480] Troubleshooting problem  
Message-ID: <4.2.2.20010308040249.00a2d8d0@mail.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

QRP Crew,

This is a little off of the subject of qrp and I apologize. Please reply off the list to: grayline@mindspring.com

I have a Kenwood TM-733 dual band 144/440 that I use for voice and packet.

The other day I noticed that the mic lights did not light up and that I could not key the rig with the mic. I can key the radio however, if I unplug the mic. and plug my tnc into the mic. jack. The tnc will key the radio, the mic. cannot. The schematic shows that the radio supplies power

to the mic. and it also shows a fuse in that line some place inside the radio. I have looked until I am half blind and I can't find the fuse. Has anybody had this same problem and successfully found the fuse? If so can you tell me where?

Thank you,

Stephen Hawkins WV6U  
grayline@mindspring.com  
73 49 111 0100 1001

-----  
Date: Thu, 8 Mar 2001 07:10:26 -0500  
From: "Alan Fryer" <qrpdx@earthlink.net>  
To: <BenNW7DX@aol.com>  
Cc: <qrp-l@lehigh.edu>  
Subject: [93481] TU QSO  
Message-ID: <003b01c0a7c8\$c3ca80a0\$64c8323f@hppav>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Ben

Thanks for the Fox QSO the other night. I was using a piece of wire thrown out the motel window in KY and a K1 w/KAT1 internal tuner. Amazing what can be done with a hunk of wire !

HAve a good one,

Alan, N3BJ

-----  
Date: Thu, 8 Mar 2001 07:37:11 -0000  
From: "Ken Kirkley" <ogbc@mindspring.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [93482] FOX: Thanks!  
Message-ID: <003d01c0a7a2\$976fc900\$56baf7a5@default>

To the Fox committe and all of the foxii, I say THANKS for the memories..er..uh...hunts! This was a new experience for me. Think I ended up with 18 pelts out of the possible 42. I guess that is decent for my first fox season. Am looking forward to the next round...

73 & God Bless,  
Ken/N04D

-----  
Date: Thu, 8 Mar 2001 06:48:57 -0600  
From: "Gene Sailsbury" <gsailsbury@mobill1.net>  
To: "Low power" <qrp-1@Lehigh.EDU>  
Subject: [93483] FLUKE DIGITAL 8800A MULTI METER  
Message-ID: <005d01c0a7ce\$25c8ebc0\$621775d8@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anyone have a manual for the Fluke 8800A Multimeter that I could buy or  
get a copy. Thanks.  
Gene KC0IKY

-----  
Date: Thu, 8 Mar 2001 08:00:00 EST  
From: W8IRQ@aol.com  
To: qrp-1@lehigh.edu  
Subject: [93484] Re: QRP++  
Message-ID: <72.875afdb.27d8dc50@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

It has been sold.

-----  
Date: Thu, 08 Mar 2001 07:26:31 -0600  
From: Mike <mmorrow@companet.net>  
To: 70511.3041@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93485] Re: Iambic A versus B  
Message-ID: <3AA78887.180E@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wilford D. Lindsey wrote:

>  
> Gang:  
>  
> Probably this has been asked and answered many times, but here goes  
> anyway--what is the difference between Iambic A and Iambic B? Some say  
> that they prefer this one over that one, or someone hates this one or that  
> one, etc.  
>  
> Any help will be appreciated. Thanks in advance.  
>  
> 72,  
> --Doc/K0EVZ

Doc:

Let's say you have a keyer whose logic can be set for either Mode A or Mode B. Then let's say you are holding BOTH paddles closed, sending the string:

dot dash dot dash dot dash ...

In Mode A, if you release both paddles while a DOT is being sent, then that DOT will be completed, and keying stops.

In Mode B, if you release both paddles while a DOT is being sent, then that DOT will be completed, FOLLOWED BY A DASH (even though you were no longer pressing the DASH paddle), and keying stops.

In Mode A, if you release both paddles while a DASH is being sent, then that DASH will be completed, and keying stops.

In Mode B, if you release both paddles while a DASH is being sent, then that DASH will be completed, FOLLOWED BY A DOT (even though you were no longer pressing the DOT paddle), and keying stops.

Most people find that Mode B requires more critical paddle timing to create the desired dot-dash stream without getting an unwanted dot or dash at the end. On the other hand, Mode B allows some characters to be sent with less paddle manipulation compared to a Mode A keyer, since you can get that "bonus" dot or dash at the end of a dot-dash string without having to actually hit the paddle for it.

I suspect that the mode a person will like most will be determined solely by the mode one uses when first learning to use iambic keying. I \*personally\* dislike Mode B intensely, and find myself resorting to a "slap" mode of paddle operation to avoid unwanted dot-dashes when I'm forced to use the Mode B only keyer of the DSW rigs (which is the ONLY

thing I dislike about the DSW).

Given the more critical paddle timing requirements of Mode B, I've always felt it to be a mistake to provide ONLY Mode B keying in a rig (such as the internal keyers SWL DSW rigs, and reportedly in the new FT-817). IMHO a choice should be available, or Mode A provided, if only one option is available. The choice of modes is one of the reasons I like the keyer logic in the Elecraft K1 so much.

73,

Mike / KK5F

-----  
Date: Thu, 08 Mar 2001 08:35:06 -0500  
From: Ed Kessler <edkess@epix.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93486] Source for large transformers?  
Message-ID: <5.0.2.1.0.20010308083350.00a04830@mailhost.epix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone know of a source for larger transformers for building power supplies in the range of 10 - 20 A at 13.8V or so?

73s

Ed AA3SJ

-----  
Date: Thu, 8 Mar 2001 08:42:12 -0500 (EST)  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: Chris Trask <ctrask@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93487] Re: pine  
Message-ID: <Pine.BSF.4.10.10103080835350.10454-1000000@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am currently using pine but it's not by choice. Having work done on the qth so am logging in from the office (DEP system) where pop3 is not supported. I telnet over to my FSU account on the geology server but I still need to go through the DEP server in order to get there. I like the Windows readers because I can thread messages. Have not yet found a way to thread messages with Pine. Also, the Windows readers allow me to use my mouse to jump around when editing messages (as you may have noticed I am prone to typos). The version of Pine I use does



not have mouse support.

Does anyone know of a reader which is capable of threading messages and that does not need pop3/imap etc?

Henry

-----  
Date: Thu, 8 Mar 2001 09:07:44 -0500  
From: "Paul" <cybrinjn@gis.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [93488] Re: Source for large transformers?  
Message-ID: <003001c0a7d9\$26903260\$551d29d8@cybrinjn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ed:

I am a rabid parts scrounger, and I think such a large unit might be pretty costly. (Have you checked Peter Dahl? <http://www.pwdahl.com>) I was thinking of using a transformer from a dead automotive battery charger, it's a monster and probably will work.

Right now I am working on a 0-27 V regulated supply based on a power transformer from a discarded stereo receiver. I have several of these units that range from 18 to 80 volts, many with multiple windings; higher power receivers with digital logic inside may have transformers with 3 or 4 secondary windings with different voltages. Good luck!

Paul KB1GEJ

----- Original Message -----  
From: Ed Kessler <edkess@epix.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, March 08, 2001 8:35 AM  
Subject: Source for large transformers?

> Does anyone know of a source for larger transformers for building power  
> supplies in the range of 10 - 20 A at 13.8V or so?  
>  
> 73s  
> Ed AA3SJ  
>

-----  
Date: Thu, 8 Mar 2001 08:30:01 -0600  
From: "Richard Matthews" <prm@hiwaay.net>  
To: <qrp-1@lehigh.edu>, <FT817@yahooogroups.com>, <ft-817@yahooogroups.com>  
Subject: [93489] OP: 30 meter beacon test tonight  
Message-ID: <006501c0a7dc\$45c05450\$fb06b99d@huntsville.sparta.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

By popular demand I will fire up the WA4NWW 30 meter PSK31 beacon tonight from my QTH, 60 miles SW of Chattanooga, TN. Details are on the calendar at <http://www.grizzly.com/calendar/>. I will also post them here for those who do not read the calendar.

On the first beacon test, a few nights ago, the 300 milliwatt beacon signal was reported by 10 stations. The most distant station was in Washington state. One VE3 reported good copy.

Tonight, to make it more of a challenge, my FT-817 will be running < 200 milliwatts out, as measured by my WM-2 QRP wattmeter. The antenna will be a fullwave 80 meter loop skywire tuned by a ZM-2 tuner . . . same as before.

Transmission frequency will be, if I can get it right this time, 10.125 Mhz. I will run two sessions. 0000UTC-0100UTC and 0200UTC-0300UTC. There will be a CODE WORD in the transmission for verification of copy. A different CODE WORD will be used in each session.

Reports can be sent to WA4NWW@amsat.org. I will send out three certificates. 1st report 1st session, 1st report 2nd session, most distant report overall.

If the 200 milliwatt beacon is heard widely, next time we will go for 100 milliwatts, but this has to be limited, all this high power operation is running up the power bill.

73,

WA4NWW , Richard    warble on Dude

-----  
Date: Thu, 08 Mar 2001 11:01:14 -0500  
From: Larry Deering <w2gl@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [93490] TiCK Audio Mod

Message-ID: <3AA7ACCA.46C903C@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For quite a while I've been reading the digest at <http://listserv.lehigh.edu/lists/Archives/qrp-l/subject.html> to reduce downloading time. Then today I decided to send a message, and got bounced. So, after a go around with the automated list server, I sent the message again, and it went into thin air. So, (my apology if it gets posted twice) once again:

I put a TiCK keyer in my GM-40, and ended up with three sidetones! Two of them had to go, so after a quick trip to Radio Shack, I built the circuit at <http://www.qsl.net/w2gl/tickmod.html>

Enjoy!

72, Larry W2GL

-----  
Date: Thu, 8 Mar 2001 09:59:58 -0600  
From: "William H. Launer" <wlauner@mail.win.org>  
To: edkess@epix.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [93491] Re: Source for large transformers?  
Message-ID: <103130300b6cd5a3f452e@[204.184.55.190]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ed,

About 15 years ago, I wound a new secondary on an old (tube-type) tv power transformer. It was a bit of work, but has worked very well, and is still in daily use here. I used a 723 regulator circuit that current limits the output at about 20A. I think I used 3 #18 wires in parallel for current capability. Just remember that you need about 18vac from your transformer to give the regulators enough headroom for regulated 12-14vdc output.

72/73, Bill

Bill Launer wb0cld  
St. Charles, MO

-----  
Date: Thu, 8 Mar 2001 15:59:31 -0000  
From: <n9vv@n9vv.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Message-ID: <20010308155931.34B2289A1@mail.bos.noam.com>

OT: pgm to print blank logbook pages?  
Hi, does anyone know of a program or template for formatting and printing  
blank logbook pages?

Tnx,  
de Ken N9VV <n9vv@n9vv.com>  
<http://www.n9vv.com>

-----  
Date: Thu, 8 Mar 2001 10:04:58 -0600  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'n9vv@n9vv.com'" <n9vv@n9vv.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [93493] RE:  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA013034E0@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

You can use "Word" (in most any of its variations) to create a table  
(as they call it) with as many rows and columns (for log entries, obviously)  
as you like and with either "portrait" or "landscape" (a la ARRL log books)  
orientation, Ken.

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: n9vv@n9vv.com [SMTP:n9vv@n9vv.com]  
> Sent: Thursday, March 08, 2001 10:00 AM  
> To: Low Power Amateur Radio Discussion  
> Subject:  
>  
> OT: pgm to print blank logbook pages?  
> Hi, does anyone know of a program or template for formatting and printing  
> blank logbook pages?  
>  
> Tnx,

> de Ken N9VV <n9vv@n9vv.com>  
> http://www.n9vv.com

-----  
Date: Thu, 8 Mar 2001 09:17:47 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Ed Kessler <edkess@epix.net>  
Cc: <qrp-l@lehigh.edu>  
Subject: [93494] Re: Source for large transformers?  
Message-ID: <Pine.LNX.4.31.0103080915480.1098-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

You can buy a switching type power supply that will make 20 amps from 120 vac 60 Hz at voltages around 12 VDC from MFJ for about the price of your transformer.

On Thu, 8 Mar 2001, Ed Kessler wrote:

> Does anyone know of a source for larger transformers for building power  
> supplies in the range of 10 - 20 A at 13.8V or so?  
>  
> 73s  
> Ed AA3SJ  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Thu, 8 Mar 2001 16:15:02 -0000  
From: <n9vv@n9vv.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [93495] OT: pgm to print blank logbook pages?  
Message-ID: <20010308161502.9676089A1@mail.bos.noam.com>

Hi, does anyone know of a program or template for printing blank logbook pages? I see that I can use MS Word and create a Table, but I was hoping to find a preformatted example.

Tnx,  
de Ken N9VV QRP-L #1915 <n9vv@n9vv.com>  
<http://www.n9vv.com>

-----  
Date: Thu, 8 Mar 2001 10:20:56 -0600  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'n9vv@n9vv.com'" <n9vv@n9vv.com>, Low Power Amateur Radio Discussion <qrp-  
l@lehigh.edu>  
Subject: [93496] RE: pgm to print blank logbook pages?  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA013034E1@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

In that case, Ken, why not just BUY a logbook? The niftiness of using Word is that you can create a truly "custom" blank log sheets, leaving as much space for certain info than a ready-made logbook has, or eliminating certain columns (or adding them) as you determine.

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: n9vv@n9vv.com [SMTP:n9vv@n9vv.com]  
> Sent: Thursday, March 08, 2001 10:15 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: OT: pgm to print blank logbook pages?  
>  
> Hi, does anyone know of a program or template for printing blank logbook  
> pages? I see that I can use MS Word and create a Table, but I was hoping  
> to  
> find a preformatted example.  
>  
> Tnx,  
> de Ken N9VV QRP-L #1915 <n9vv@n9vv.com>  
> <http://www.n9vv.com>  
>

-----  
Date: Thu, 8 Mar 2001 11:32:39 -0500  
From: Harris Keith E CONT CNIN <harris\_k@crane.navy.mil>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [93497] Trying to contact Jim Cates

Message-ID:  
<4F76B3D4A76AD111803B00A0C9893D9C06ED8D29@cninexchsrv05.crane.navy.mil>  
MIME-Version: 1.0  
Content-Type: text/plain

If Jim Cates, WA6GER, or anyone with Jim's email address could email me off list with his email address I would appreciate it. If Jim gets this the question is, did you receive my check for the SMK-1? Tomorrow will be 2 weeks since I sent it and if the snail mail lost it I need to send you another.

73 de N9KH

-----  
Date: Thu, 8 Mar 2001 11:36:12 -0500 (EST)  
From: Stephan Greene <sgreene@patriot.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93498] PSK31 soundcard questions  
Message-ID: <Pine.LNX.4.10.10103080946190.18078-100000@tzion.greene.lan>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Starting out with PSK31 using the equipment on-hand and I have a few questions. Specifically about getting TX data to rig, rig keying, and keeping received audio off the sound card output.

Yaesu FT900-CAT  
PIII-600 running Linux + kpsk PSK31 software  
soundcard is CS4297 on motherboard (ports are line in, mic in, line out)

initial set-up:

- RX audio from data in/out jack (yaesu uses this for RTTY/packet) direct to soundcard line-in. Works fine.
- TX audio from soundcard line-out direct to phone-patch input.
- don't have PTT set up yet, trying to use VOX circuit.

Questions:

1. All the TX circuits I've seen include a resistor pad to reduce the tx output level, some in conjunction with an isolation transformer. How essential is this circuitry? Are soundcard output level controls inadequate?
2. The soundcard loops the input signal to the output; this triggers the VOX circuit when I don't want it keyed. For now, best I can do is mute/unmute the soundcard output to control things. This is a kludge and I

can already see problems with it.

- for people running VOX control, do other software packages auto mute/unmute soundcard output to prevent putting rx audio back out? Or are you using more capable soundcards with separate speaker and line outs?

- for people running PTT (what I probably need to do), source for the optoisolator IC's? Radio Shack has discontinued the 901-1617 referenced @ <http://www.qsl.net/wm2u/psk31.html>, however the referenced part number ECG3084 *is* available as RS 901-0617 for \$2.52. Same part?

Thanks!

73, Steve KA1LM

```
-----  
Stephan A. Greene                                sgreene@patriot.net  
Senior Systems Specialist, VA Linux Systems      sgreene@valinux.com  
Mid-Atlantic Region                             1-888-LINUX-4U x5774  
Amateur KA1LM@amsat.org Grid FM18hx            38 59'83.33"N 77 23'6.15"W  
-----
```

```
-----  
Date: Thu, 8 Mar 2001 11:45:55 -0500  
From: "Berry, Dennis J." <DennisB@xetron.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93499] RE:  
Message-ID: <7D72C1B2F7A3D21191F8006097149AC00173172F@s3.xetron.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"
```

I know of a very simple solution to this question. For the blank logbook pages,  
simply go to the printer and hit 'formfeed' as many times as you need the blank  
pages.....

(Sorry, couldn't resist....)

Dennis

-----Original Message-----



From: n9vv@n9vv.com [mailto:n9vv@n9vv.com]  
Sent: Thursday, March 08, 2001 11:00 AM  
To: Low Power Amateur Radio Discussion  
Subject:

OT: pgm to print blank logbook pages?

Hi, does anyone know of a program or template for formatting and printing blank logbook pages?

Tnx,  
de Ken N9VV <n9vv@n9vv.com>  
<http://www.n9vv.com>

-----  
Date: Thu, 8 Mar 2001 08:48:09 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@lehigh.edu>  
Subject: [93500] Jim Cates Email Address  
Message-ID: <01c0a7ef\$8ef950a0\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim Cates email address is:

wa6ger@aol.com

Hope that helps. His next personal appearance will be at arkiecon, grin.  
72, Doug, KI6DS

-----  
Date: Thu, 08 Mar 2001 09:06:55 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [93501] Results of the MARCH SPARTAN SPRINT  
Message-ID: <B6CCFC2E.6B90%russ@natworld.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

These Spartan Sprints are turning into a Happening. Every month we have good things to report.

The March sprint featured, once again, fine conditions, lots of stations, and a slew of logs. Jerry, N9AW, contacted 90 stations. To the best of our knowledge, that is an all-time record for the Spartan Sprints. Congratulations!

The Soapbox, which is growing into a serious monthly publication, has been published separately in The ARS Sojourner, which went live today. Don't miss it! <http://www.natworld.com/ars>

Each contact received one point. If you didn't tell us the weight of your station, or if it weighed more than a cubic yard of uranium, we assigned a weight of 30 pounds.

THE SKINNY DIVISION (results sorted in the order of points per pound)

| Call     | Name   | 80m | 40m | 20m | 15m | 10m | Total<br>Points | Wt.  | Points/<br>Pound |
|----------|--------|-----|-----|-----|-----|-----|-----------------|------|------------------|
| K0EVZ    | Doc    | 0   | 44  | 27  | 0   | 0   | 71              | 1.7  | 41.76            |
| K7TQ     | Randy  | 0   | 29  | 0   | 0   | 0   | 29              | 1.09 | 26.61            |
| AE6N     | Jim    | 0   | 22  | 17  | 0   | 0   | 39              | 1.9  | 20.53            |
| KB9LGJ   | Tim    | 0   | 0   | 16  | 0   | 0   | 16              | .78  | 20.51            |
| N7RVD    | Brian  | 0   | 10  | 0   | 0   | 0   | 10              | .5   | 20.00            |
| N7CEE    | Bruce  | 0   | 18  | 12  | 0   | 0   | 30              | 1.88 | 15.96            |
| KC4TXR   | John   | 0   | 0   | 11  | 0   | 0   | 11              | .8   | 13.75            |
| AB0GO    | Dave   | 0   | 24  | 18  | 0   | 0   | 42              | 3.5  | 12.00            |
| K04WX    | Mike   | 0   | 18  | 0   | 0   | 0   | 18              | 1.9  | 9.47             |
| AB6QR    | Dennis | 0   | 12  | 31  | 0   | 0   | 43              | 5    | 8.60             |
| K5LN     | Bill   | 1   | 36  | 15  | 0   | 0   | 52              | 6.5  | 8.00             |
| N5IW     | Dave   | 5   | 41  | 28  | 0   | 0   | 74              | 10   | 7.40             |
| K5HWT    | Morg   | 0   | 5   | 9   | 0   | 0   | 14              | 2.25 | 6.22             |
| KH6B     | Dean   | 0   | 3   | 25  | 0   | 0   | 28              | 4.5  | 6.22             |
| N3AO     | Carter | 0   | 32  | 2   | 0   | 0   | 34              | 6    | 5.67             |
| K4FB     | Paul   | 1   | 17  | 16  | 0   | 0   | 34              | 6    | 5.67             |
| AF4PS    | Mac    | 0   | 18  | 10  | 0   | 0   | 28              | 5    | 5.60             |
| N0IBT    | Dave   | 0   | 17  | 18  | 0   | 0   | 35              | 6.5  | 5.38             |
| N4EJG    | Ed     | 0   | 15  | 2   | 0   | 0   | 17              | 3.5  | 4.86             |
| W1PID    | Jim    | 1   | 3   | 6   | 0   | 0   | 10              | 2.2  | 4.55             |
| WD7Y     | Ed     | 0   | 20  | 11  | 0   | 0   | 31              | 7    | 4.43             |
| KB7MBI   | Alan   | 0   | 19  | 6   | 1   | 0   | 26              | 6    | 4.33             |
| KB9LCK   | Chris  | 0   | 9   | 6   | 0   | 0   | 15              | 4    | 3.75             |
| N9AW     | Jerry  | 4   | 64  | 22  | 0   | 0   | 90              | 30   | 3.00             |
| K0BFT    | Jim    | 0   | 6   | 15  | 0   | 0   | 21              | 7    | 3.00             |
| K0BFT    | Jim    | 0   | 6   | 15  | 0   | 0   | 21              | 7    | 3.00             |
| K3NY     | Nick   | 8   | 14  | 1   | 0   | 0   | 23              | 8.5  | 2.71             |
| N7LT     | Lyndel | 0   | 19  | 32  | 0   | 0   | 51              | 20   | 2.55             |
| KA3DRR/6 | Scot   | 0   | 18  | 0   | 0   | 0   | 18              | 8    | 2.25             |
| W0PWE    | Jerry  | 3   | 50  | 12  | 0   | 0   | 65              | 30   | 2.17             |

|        |         |    |    |    |   |   |    |      |      |
|--------|---------|----|----|----|---|---|----|------|------|
| K7PX   | Steve   | 0  | 4  | 4  | 0 | 0 | 8  | 4.24 | 1.89 |
| WA4SQM | Ken     | 0  | 1  | 6  | 0 | 0 | 7  | 3.88 | 1.80 |
| N5EYX  | Roy     | 0  | 51 | 0  | 0 | 0 | 51 | 30   | 1.70 |
| N5WL   | Bart    | 0  | 7  | 7  | 0 | 0 | 14 | 9.2  | 1.52 |
| NC90   | Skip    | 0  | 7  | 2  | 0 | 0 | 9  | 6    | 1.50 |
| K4MF   | Gary    | 4  | 16 | 16 | 0 | 0 | 36 | 30   | 1.20 |
| WA9TZE | Jim     | 28 | 4  | 2  | 0 | 0 | 34 | 30   | 1.13 |
| W2BVH  | Lenny   | 3  | 2  | 1  | 2 | 0 | 8  | 7.5  | 1.07 |
| N7AC   | Tom     | 0  | 19 | 11 | 0 | 0 | 30 | 30   | 1.00 |
| KD5LX  | Robert  | 0  | 10 | 1  | 0 | 0 | 11 | 12.5 | 0.88 |
| K2Q0   | Mark    | 2  | 21 | 3  | 0 | 0 | 26 | 30   | 0.87 |
| N2CQ   | Ken     | 0  | 2  | 23 | 0 | 0 | 25 | 30   | 0.83 |
| WB6HQB | Bart    | 0  | 16 | 8  | 0 | 0 | 24 | 30   | 0.80 |
| KW4JS  | John    | 2  | 6  | 1  | 0 | 0 | 9  | 12   | 0.75 |
| NA1XX  | Mike    | 6  | 0  | 5  | 0 | 0 | 11 | 15   | 0.73 |
| W4NJK  | Charlie | 0  | 7  | 14 | 0 | 0 | 21 | 30   | 0.70 |
| VE3XT  | Bill    | 0  | 20 | 0  | 0 | 0 | 20 | 30   | 0.67 |
| KD5CMN | Mike    | 0  | 0  | 19 | 0 | 0 | 19 | 30   | 0.63 |
| N7LYV  | Jim     | 0  | 9  | 9  | 0 | 0 | 18 | 30   | 0.60 |
| AA7EQ  | Robert  | 0  | 17 | 0  | 0 | 0 | 17 | 30   | 0.57 |
| AA8SN  | Hope    | 3  | 7  | 7  | 0 | 0 | 17 | 30   | 0.57 |
| K7GT   | Allan   | 0  | 16 | 0  | 0 | 0 | 16 | 30   | 0.53 |
| KA9EWN | Rockne  | 0  | 1  | 4  | 0 | 0 | 5  | 9.9  | 0.51 |
| KI0II  | Ron     | 2  | 10 | 0  | 0 | 0 | 12 | 24   | 0.50 |
| W9FNB  | Gary    | 0  | 0  | 7  | 0 | 0 | 7  | 17   | 0.41 |
| W4STX  | Bill    | 0  | 0  | 4  | 0 | 0 | 4  | 9.73 | 0.41 |
| W9UQB  | Mike    | 0  | 5  | 7  | 0 | 0 | 12 | 30   | 0.40 |
| W10H   | Geoff   | 0  | 2  | 0  | 0 | 0 | 2  | 5.5  | 0.36 |
| K4FDK  | John    | 0  | 10 | 0  | 0 | 0 | 10 | 30   | 0.33 |
| AA8IV  | Rich    | 1  | 1  | 0  | 0 | 0 | 2  | 6.1  | 0.33 |
| N0MCX  | Tom     | 0  | 0  | 8  | 0 | 0 | 8  | 30   | 0.27 |
| WF6D   | Bill    | 0  | 7  | 0  | 0 | 0 | 7  | 30   | 0.23 |

#### THE TUBBY DIVISION

| Call  | Name   | 80m | 40m | 20m | 15m | 10m | Total<br>Points |
|-------|--------|-----|-----|-----|-----|-----|-----------------|
| N9AW  | Jerry  | 4   | 64  | 22  | 0   | 0   | 90              |
| N5IW  | Dave   | 5   | 41  | 28  | 0   | 0   | 74              |
| K0EVZ | Doc    | 0   | 44  | 27  | 0   | 0   | 71              |
| W0PWE | Jerry  | 3   | 50  | 12  | 0   | 0   | 65              |
| K5LN  | Bill   | 1   | 36  | 15  | 0   | 0   | 52              |
| N5EYX | Roy    | 0   | 51  | 0   | 0   | 0   | 51              |
| N7LT  | Lyndel | 0   | 19  | 32  | 0   | 0   | 51              |
| AB6QR | Dennis | 0   | 12  | 31  | 0   | 0   | 43              |
| AB0GO | Dave   | 0   | 24  | 18  | 0   | 0   | 42              |
| AE6N  | Jim    | 0   | 22  | 17  | 0   | 0   | 39              |

|          |         |    |    |    |   |   |    |
|----------|---------|----|----|----|---|---|----|
| K4MF     | Gary    | 4  | 16 | 16 | 0 | 0 | 36 |
| N0IBT    | Dave    | 0  | 17 | 18 | 0 | 0 | 35 |
| N3AO     | Carter  | 0  | 32 | 2  | 0 | 0 | 34 |
| K4FB     | Paul    | 1  | 17 | 16 | 0 | 0 | 34 |
| WA9TZE   | Jim     | 28 | 4  | 2  | 0 | 0 | 34 |
| WD7Y     | Ed      | 0  | 20 | 11 | 0 | 0 | 31 |
| N7CEE    | Bruce   | 0  | 18 | 12 | 0 | 0 | 30 |
| N7AC     | Tom     | 0  | 19 | 11 | 0 | 0 | 30 |
| K7TQ     | Randy   | 0  | 29 | 0  | 0 | 0 | 29 |
| AF4PS    | Mac     | 0  | 18 | 10 | 0 | 0 | 28 |
| KH6B     | Dean    | 0  | 3  | 25 | 0 | 0 | 28 |
| KB7MBI   | Alan    | 0  | 19 | 6  | 1 | 0 | 26 |
| K2QO     | Mark    | 2  | 21 | 3  | 0 | 0 | 26 |
| N2CQ     | Ken     | 0  | 2  | 23 | 0 | 0 | 25 |
| WB6HQB   | Bart    | 0  | 16 | 8  | 0 | 0 | 24 |
| K3NY     | Nick    | 8  | 14 | 1  | 0 | 0 | 23 |
| W4NJK    | Charlie | 0  | 7  | 14 | 0 | 0 | 21 |
| K0BFT    | Jim     | 0  | 6  | 15 | 0 | 0 | 21 |
| K0BFT    | Jim     | 0  | 6  | 15 | 0 | 0 | 21 |
| VE3XT    | Bill    | 0  | 20 | 0  | 0 | 0 | 20 |
| KD5CMN   | Mike    | 0  | 0  | 19 | 0 | 0 | 19 |
| K04WX    | Mike    | 0  | 18 | 0  | 0 | 0 | 18 |
| KA3DRR/6 | Scot    | 0  | 18 | 0  | 0 | 0 | 18 |
| N7LYV    | Jim     | 0  | 9  | 9  | 0 | 0 | 18 |
| AA7EQ    | Robert  | 0  | 17 | 0  | 0 | 0 | 17 |
| AA8SN    | Hope    | 3  | 7  | 7  | 0 | 0 | 17 |
| N4EJG    | Ed      | 0  | 15 | 2  | 0 | 0 | 17 |
| KB9LGJ   | Tim     | 0  | 0  | 16 | 0 | 0 | 16 |
| K7GT     | Allan   | 0  | 16 | 0  | 0 | 0 | 16 |
| KB9LCK   | Chris   | 0  | 9  | 6  | 0 | 0 | 15 |
| K5HWT    | Morg    | 0  | 5  | 9  | 0 | 0 | 14 |
| N5WL     | Bart    | 0  | 7  | 7  | 0 | 0 | 14 |
| W9UQB    | Mike    | 0  | 5  | 7  | 0 | 0 | 12 |
| KI0II    | Ron     | 2  | 10 | 0  | 0 | 0 | 12 |
| NA1XX    | Mike    | 6  | 0  | 5  | 0 | 0 | 11 |
| KC4TXR   | John    | 0  | 0  | 11 | 0 | 0 | 11 |
| KD5LX    | Robert  | 0  | 10 | 1  | 0 | 0 | 11 |
| N7RVD    | Brian   | 0  | 10 | 0  | 0 | 0 | 10 |
| W1PID    | Jim     | 1  | 3  | 6  | 0 | 0 | 10 |
| K4FDK    | John    | 0  | 10 | 0  | 0 | 0 | 10 |
| KW4JS    | John    | 2  | 6  | 1  | 0 | 0 | 9  |
| NC90     | Skip    | 0  | 7  | 2  | 0 | 0 | 9  |
| W2BVH    | Lenny   | 3  | 2  | 1  | 2 | 0 | 8  |
| K7PX     | Steve   | 0  | 4  | 4  | 0 | 0 | 8  |
| N0MCX    | Tom     | 0  | 0  | 8  | 0 | 0 | 8  |
| WF6D     | Bill    | 0  | 7  | 0  | 0 | 0 | 7  |
| WA4SQM   | Ken     | 0  | 1  | 6  | 0 | 0 | 7  |
| W9FNB    | Gary    | 0  | 0  | 7  | 0 | 0 | 7  |

|        |        |   |   |   |   |   |   |
|--------|--------|---|---|---|---|---|---|
| KA9EWN | Rockne | 0 | 1 | 4 | 0 | 0 | 5 |
| W4STX  | Bill   | 0 | 0 | 4 | 0 | 0 | 4 |
| W10H   | Geoff  | 0 | 2 | 0 | 0 | 0 | 2 |
| AA8IV  | Rich   | 1 | 1 | 0 | 0 | 0 | 2 |

\*\*\*\*

Thanks for supporting The Adventure Radio Society!

Russ Carpenter, AA7QU  
Contest Manager

-----  
Date: Thu, 8 Mar 2001 10:19:42 -0600  
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [93502] FS: Poqet Computer  
Message-ID: <F05408425630D4118DEE0000F840B5D485C9C3@alrsv02.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

I guess this is a QRP computer. I have one Fujitsu Poqet computer for sale or trade. This is the little 8086 computer that runs on 2 AA batteries. This one has 2 1-megabyte cards (hard drives?) in it. It comes with the leather(ette?) carrying case, modem, adapter for hookup to a parallel cable for data transfer to/from a PC, the file transfer software and a copy of the manual. I just don't really need a small computer.

Asking \$32.00 (that's what I paid for it and it includes shipping) or will trade for a Te-Ne-Key or maybe some other kind of paddle.

Steve Brockwell KC5TTY  
Elgin, OK

-----  
Date: Thu, 08 Mar 2001 17:14:51  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [93503] Re: Source for large transformers?  
Message-ID: <F7cvgvkSqNVAp0sX5FU00003798@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Ed AA3SJ wrote:

>Does anyone know of a source for larger transformers for  
>building power supplies in the range of 10 - 20 A at  
>13.8V or so?

The local electronics store were happy to order anything  
I wanted from the Hammond catalogue. I ordered a 20 amp  
transformer - brand new, very heavy. Not the cheapest  
item they've ever sold me, but when you figure the value  
of what you're going to hook up to a 20 amp power supply,  
it starts to look better...

Digi-Key (to pick one supplier off the top of my head)  
carry such things.

Laura Halliday VE7LDH        "Que les nuages soient notre  
Grid: CN89mg                        pied a terre..."  
ICBM: 49 15.042 N 122 59.053 W       - Hospital/Shafte

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

-----  
Date: Thu, 8 Mar 2001 09:41:50 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [93504] Re: (no subject)  
Message-ID: <005301c0a7f7\$1120d920\$27d4fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ken

I've been printing my own log pages for years, using the EXCEL spreadsheet  
program.

I three-hole punch the pages and keep them in a 3-ring binder.

If you have EXCEL, let me know and I'll email you the file.

73, Bob N6WG

-----  
Date: Thu, 8 Mar 2001 09:45:21 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>

Subject: [93505] Grand Finale Reminder  
Message-ID: <005901c0a7f7\$8d45daa0\$27d4fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Tonight, 0200Z, N6WG and K0PC wind up the Fox Hunt season in style with a stereo effort.

Just think of it, two Foxes for the price of one. Be sure to pick up yours early.

73, Bob N6WG

-----  
Date: Thu, 08 Mar 2001 11:49:56 -0600  
From: Pat Cain <pcain@onvoymail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [93506] FOX: K0PC Announcement for Thursday (Second Notice)  
Message-ID: <4.2.0.58.20010308114902.0095ce10@mail.mr.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

This is a repeat of the notice I sent yesterday, just in case you missed=20 the first one.

>Date: Wed, 07 Mar 2001 10:25:45 -0600  
>To: qrp-1@Lehigh.EDU  
>From: Pat Cain <pcain@onvoymail.com>  
>Subject: FOX: K0PC Announcement for Thursday  
>  
>We are at the end of the line now! The last Fox Hunt of the season happens=20  
>Thursday evening with a two-for-one deal. Bob, N6WG and I will be the=20  
>foxes that evening. We have agreed that Bob will take the high road and=20  
>I'll take the low road.  
>  
>I will be operating around 7.035-7.037 and listening UP 0.5 to 2.0 kHz.  
>  
>I won't be listening close to my operating frequency until late in the=20  
hunt.  
>  
>Sample exchange: W1AW 559 MN PAT 5W W1AW

>  
>I am located in a suburb of Minneapolis, MN.  
>I will be using my Icom throttled back to 5W.  
>Antenna will be a Dipole at 30' or an R7 vertical.  
>  
>I hope to see you all there. Let's end the season with a bang.  
>  
>73,  
>Pat K=D8PC

-----  
Date: Thu, 08 Mar 2001 12:58:33 -0500  
From: Ed Kessler <edkess@epix.net>  
To: "Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93507] FS Partially built HW8  
Message-ID: <5.0.2.1.0.20010308125116.00a04c40@mailhost.epix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I bought this at a while back and thought I'd get to finishing it. I've decided that I don't have the time, and want to go on to other things.

The HW8 is about 95% finished with only some wiring to do. It has never been powered up. The ham who originally built it did a nice soldering job. As far as I can tell all the parts are here, including the meter and front panel stuff. The only thing missing was the small "audio board" which I have built "ugly style" and will include with the sale. The enclosure is still in it's original wrapping -- no dings or scratches. Original box.

I don't have the original manual but will send a good photocopy.

I thought about stealing the parts and enclosure for other projects, but figured somebody else might enjoy completing it.

Asking \$100 plus shipping.

73s  
Ed AA3SJ

Ed Kessler AA3SJ  
950 Woodside Station Road  
Millersburg, PA 17061



website: <http://www.qsl.net/aa3sj/index.html>

-----  
Date: Thu, 08 Mar 2001 13:22:35 -0500  
From: John Wagner <[john@neknetwork.com](mailto:john@neknetwork.com)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [93508] ARS Review of FT-817  
Message-ID: <[3AA7CDEB.53C7428F@neknetwork.com](mailto:3AA7CDEB.53C7428F@neknetwork.com)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

There is a review of the FT-817 in the current ARS;  
[http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/817\\_intro.html](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/817_intro.html)

is a direct link to the review by Russ Carpenter, AA7QU.

The reviewer appears to be less than overly enthusiastic about the radio. While I disagree with the reviewers overall impression of the radio, I'm OK with this; in fact I'm overjoyed with it. It's all too often that you read a review these days and it's mostly colorful ad copy spoon fed from the manufacture. Honest, open (and well produced) reviews are hard to come by - this is a good one, with real technical data that is explained so you can understand it.

My comments/arguments are non-technical; I tend to judge things (most things anyway) more on how they work from where I sit as opposed to how the numbers stack up. I'm not here to "defend my purchase" or get religion about a radio; but I do think it's important for balance that other opinions are heard.

The issues I have with the review are as follows:

My feeling is the radio works about on par with radios in that price range, yet offers many more features and bands. The ability to work EVERYTHING, HF, FM repeaters, satellites, etc.. from the same radio is important to me. The fact that this radio costs so little in comparison to what you can do with it is very compelling. I had thought about buying an HT at some point, now I don't need to. Want to work HF from a hotel room at night, then try some local repeaters while traveling; it does all of that. The review admittedly only deals with HF use of the rig, but I think that's selling its versatility short.

The receiver is OK, it's not great, but it's not bad. I'm talking from

practical use - I've found that if I can hear someone, I can work them. Not sure how much more reception you would want. I was able to use the FT-817 in the fox cub hunt without the receiver holding me back. I also don't find it that noisy.

I do agree that the current draw is of concern, however it merely means you will need to get creative in your power supplies if traveling (i.e. roll up solar panels for recharging batteries during the day). I would like to see this addressed however.

I also find the size of the radio very compelling, while the reviewer sort of dismisses it. The FT-817 easily fits in the pocket of my winter coat. I can move it from the house to my car with minimal hassle. It's true that Yaesu advertised the FT-817 as a backpackers radio, but I believe it to be better suited as an all-purpose, in the house, into the car, out at the picnic table type of rig.

Other additions I would like (and I think I've mentioned them before);

2 memory keyer. There is a "band scope" which I find completely useless. I would gladly trade that for 2 keyer memories!

Addition CW filter. The 500hz works well. I'd like to have a 250hz filter to switch in as well.

Antenna tuner. Maybe someone will come up with an automatic tuner, built into a barrel plug of a PL-259? Dreaming? Maybe, maybe not.

Again, I appreciate the review - it's very well done and doesn't pull any punches.

73,

John, KB1ENS

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)

Web page: <http://www.neknetwork.com>

-----

Date: Thu, 08 Mar 2001 10:28:25 -0800

From: Phil Wheeler <[w7ox@earthlink.net](mailto:w7ox@earthlink.net)>

To: [john@neknetwork.com](mailto:john@neknetwork.com)

Cc: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [93509] Re: ARS Review of FT-817

Message-ID: <[3AA7CF49.1A9061C7@earthlink.net](mailto:3AA7CF49.1A9061C7@earthlink.net)>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

John Wagner wrote:

>  
> Gang,  
>  
> There is a review of the FT-817 in the current ARS;  
> [http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/817\\_intro.html](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/817_intro.html)  
>  
> is a direct link to the review by Russ Carpenter, AA7QU.  
>

Thanks for the link, John.

> The reviewer appears to be less than overly enthusiastic about the  
> radio. While I disagree with the reviewers overall impression of the  
> radio, I'm OK with this; in fact I'm overjoyed with it. It's all too  
> often that you read a review these days and it's mostly colorful ad copy  
> spoon fed from the manufacture. Honest, open (and well produced) reviews  
> are hard to come by - this is a good one, with real technical data that  
> is explained so you can understand it.  
>

An honest review is hard to find!

> My comments/arguments are non-technical; I tend to judge things (most  
> things anyway) more on how they work from where I sit as opposed to how  
> the numbers stack up. I'm not here to "defend my purchase" or get  
> religion about a radio; but I do think it's important for balance that  
> other opinions are heard.  
>

I do not have an 817, so I cannot comment personally. But the technical details of any piece of equipment (cars, radios, etc.) often do not capture their "charisma" for lack of a better word.

Phil W7OX

-----  
Date: Thu, 8 Mar 2001 11:35:20 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [93510] 2001 QRPTTF from the VLA  
Message-ID: <Pine.SUN.4.10.10103071353190.5486-1000000@shell.rt66.com>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

This is LONG - but hopefully some of you will find it interesting.

#### QRPTTF FROM THE WORLD'S LARGEST RADIO TELESCOPE

After some special negotiating, we have secured permission from the Director of the National Radio Astronomy Observatory (NRAO) and the Radio Interference Engineer to operate a QRP station for 2001 QRPTTF from very near the center of the Very Large Array (VLA) ... the world's largest radio telescope. The "inside" antennas near the VLA center is where both the movies "2010" (sequel to "2001") and "Contact" were filmed (the famous shot of Jodi Foster listening on her earphones with the VLA antennas behind her).

Special permission was required to ensure the QRP transmissions would not violate the "quiet zone" status or cause interference to the VLA antennas. On April 28th for QRPTTF, the VLA will be in the A-array (antennas spread out) and observing at 1.4GHz (20cm) and 8.4GHz (4cm) and occasional 327MHz atmospheric water vapor measurements. With this configuration, a single VLA antenna will experience harmful interference at -260dBm at 1.4GHz and receiver front-end saturation or IMD at around -245dBm (actually,  $-245\text{dBm/m}^2/\text{Hz}$ , or flux density per Hz).

This operation is officially that of the NRAO Amateur Radio Club, using the club calls W9GFZ and operators so far will be:

NA5N Paul \*  
N0QT Jan  
N50BA Rich \*  
N0WMR Jim \*        \* NRAO/VLA employees

This has plenty of significance and history from the tradition of QRPTTF themes over the years to radio astronomy.

#### BRIEF HISTORY OF RADIO ASTRONOMY AND THE "DISH" ANTENNA

In 1928, a Bell Telephone engineer named Karl Jansky, was given the task of identifying the source of "static" on the HF wireless overseas phone circuits. To do this, Karl built a rotating directional antenna consisting of several colinear phased elements at 14.6M (20.8MHz) that was 100 ft. in diameter and 12 ft. high on the beach near Holmdel, NJ. After considerable effort, he finally realized the main source of noise was coming from the constellation Saggitarius - the center of our galaxy. And thus the birth of radio astronomy. Karl was sent on to other Bell Lab projects in 1932 and it was not pursued farther at that time, mostly due to the difficulties of building such large steerable antennas.

In the mid-1930's, an amateur radio operator, Grote Reber, W9GFZ, took interest into this discovery of signals from space. This led to his eventual invention of a new type of steerable antenna in which a "dish" collects the signals and focuses the power to a common feed point, also allowing the antenna to be "pointed" in elevation as well as azimuth. Hence, the worlds first "dish antenna" was built in Grote's backyard in Wheaton, IL. Grote used his new antenna to construct the first ever radio contour map of our galaxy -- as an amateur. Grote remained involved with building several radio observatories over the remainder of his life in the US and abroad. So when you see a dish antenna, whether for radio astronomy or your direct satellite TV -- it's another significant contribution made by a ham.

Both Jansky's and Grote's antennas are now on display at our sister observatory at Green Bank, WVA.

Grote Reber now lives in Tasmania. Several of the hams at the NRAO/VLA approached Grote 3 years ago if we could use his old call for the NRAO ARC to honor his achievements and contributions ... AND because it was his calls, W9GFZ, that Carl Sagan used in his book "Contact," which had just been released as a movie (although the producers changed Jodi's calls to W9GFO in the movie because it "sounded better."). Grote graciously gave us his permission, AND mailed us some of his original QSL cards from the early 1930's and his membership certificate to the ARRL, dated July 11, 1928 signed by Hiram Percy Maxim himself and K. Warner (sect'y) !!!

We will be issuing a special event certificate for those working W9GFZ/VLA during QRPTTF that will show Grote's original ARRL certificate, QSL, a photo of Grote's backyard dish antenna, and a photo of the QRP ops at the VLA similar to the famous Jodi Foster "Contact" poster.

For those not familiar ... the Very Large Array consists of 27 fully steerable 85 ft. dia dish antennas along three arms of a "Y" - 9 antennas per arm and each arm about 13 miles long. It acts as a giant zoom lens at radio wavelengths, making radio images with resolutions challenging that of large optical telescopes. We will be operating from near the "center of the Y", or where the 3 arms come together.

So we should have plenty of fun and look forward to operating from the VLA, using Grote's historic calls, and sharing it with as many of you as we can for QRPTTF on April 28th. We feel it is appropriate for the "2001" theme as those giant dish antennas certainly loom above you by 120 feet, the VLA was the site for the filming of "2010," the sequel to the movie "2001" and the site for the filming of "Contact." (As an NRAO employee, I was there to witness both movie filmings).

Hope to work you for NorCal's QRPTTF on April 28th.

72, Paul NA5N

PS - Since this is an official operation of the NRAO ARC, I was asked to include the following official statement on this post:

The National Radio Astronomy Observatory (NRAO) is operated by Associated Universities, Inc. (AUI) under cooperative agreement with the National Science Foundation (NSF).

-----  
Date: Thu, 08 Mar 2001 13:40:49 -0500  
From: Ron Majewski <majewski@erim-int.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [93511] FOX: W8RU Dual CubFox Preliminary Log and Comments (long)  
Message-ID: <3AA7D231.F896CEF7@erim-int.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi All-

What a great evening for Fox hunting! I was up to the tips of my furry little ears in baying hounds. I wish I had set up the audio recorder because the pile-up was quite impressive. The rate meter on my logging software actually hit 50 QSOs/hour at a couple points -- remember, I'm sending at 10wpm. :)

I thought propagation conditions were simply superb. There was little to no QRN the entire evening. I found signal levels to be quite strong throughout the hunt, with only a minor QSB in the last 30 minutes or so. Both close-in and "DX" hounds were easily copyable at the same time.

I want to thank all the hounds for making my life easy. Everyone was extremely courteous as far as I could hear. I tried to hand out the pelts as quickly as possible to minimize the wait. I think a non-hunt station started calling CQ on top of me about 30minutes into the hunt -- the pile-up completely disappeared for a few minutes. I slid up the band a few hundred Hertz to steer clear of the other station and the pile-up returned.

This is the first hunt I've done without my trusty FT-1000. The 1000 is back at Yaesu to get its main display replaced. I was using an Icom 740, an oldie but a goodie. The 740 only has a 500Hz CW filter, and its

RIT would only go about 1 kHz. I forgot about both of these limitations until the hunt started. I hope my CW note sounded good.

There were three milli-watters in the hunt last night (barring any mistakes on my end) and it's fun to hear them and give them a pelt. Dan, N4ROA, caught my attention with 100mW. James, NU4TN and Gloria, WD5CMA also had good milli-watt signals.

In the end I was able to give out 59 pelts and that feels great. I worked 30 different states and one Canadian Province. It looks as though my Fox partner John, KB1ENS, also had a great evening.

Again, many thanks to all the hounds for the QSOs and a great CubFox hunting season. I enjoyed every hunt and hope everyone found them useful. Just drop me a QSL if you'd like one of my special Fox Hunting cards.

72/3!

Ron (W8RU).

>----- ( W8RU CubHunt #41, Preliminary Log )-----<

|      |        |     |        |    |       |
|------|--------|-----|--------|----|-------|
| 0202 | K4BYF  | 559 | JACK   | FL | 5W    |
| 0203 | NC90   | 559 | SKIP   | IL | 2W    |
| 0205 | W9HL   | 579 | RANDY  | IL | 5W    |
| 0206 | N8VAR  | 559 | RON    | OH | 5W    |
| 0207 | NU8S   | 559 | DENNIS | OH | 5W    |
| 0209 | KK5LD  | 559 | DAN    | TX | 5W    |
| 0210 | W9WIS  | 559 | MIKE   | WI | 5W    |
| 0211 | KC1FB  | 559 | JIM    | CT | 5W    |
| 0213 | N4ROA  | 579 | DAN    | VA | 100MW |
| 0215 | W3PNL  | 579 | JOE    | PA | 3W    |
| 0216 | KB9BVT | 599 | BRIAN  | IN | 5W    |
| 0218 | N3SSY  | 559 | KELLY  | PA | 3W    |
| 0219 | W9XU   | 559 | LON    | WI | 5W    |
| 0220 | K9IS   | 559 | STEVE  | WI | 5W    |
| 0222 | K0FRP  | 579 | AL     | CO | 5W    |
| 0223 | W0CH   | 579 | DAVE   | MO | 5W    |
| 0225 | AA7XA  | 559 | FRANK  | OR | 5W    |
| 0226 | K0EVZ  | 599 | DOC    | ND | 5W    |
| 0227 | AF4PS  | 559 | MAC    | FL | 3W    |
| 0229 | N3AO   | 559 | CARTER | PA | 5W    |
| 0230 | AE4IC  | 599 | BOB    | NC | 5W    |
| 0233 | K9IUA  | 559 | KEVIN  | ND | 5W    |
| 0235 | N04D   | 559 | KEN    | SC | 5W    |
| 0236 | AC5JH  | 559 | TOM    | OK | 5W    |

|      |        |     |        |    |       |
|------|--------|-----|--------|----|-------|
| 0238 | KJ0C   | 589 | JIM    | MO | 5W    |
| 0239 | KV4EE  | 559 | CRAIG  | SC | 5W    |
| 0241 | N1TP   | 559 | TOM    | FL | 5W    |
| 0242 | W3SMK  | 599 | STEVE  | NJ | 5W    |
| 0243 | K4TJD  | 559 | TOM    | GA | 5W    |
| 0245 | WB8ICN | 579 | KEN    | MI | 5W    |
| 0246 | KB3E0F | 559 | MURPHY | MD | 3W    |
| 0248 | W2XN   | 559 | FRED   | FL | 5W    |
| 0249 | W5YR   | 559 | GEORGE | TX | 5W    |
| 0250 | K5DW   | 559 | DON    | TX | 5W    |
| 0252 | KB9YIG | 579 | TONY   | IN | 2W    |
| 0253 | N5IB   | 579 | JIM    | LA | 5W    |
| 0254 | N4VM   | 559 | BRYN   | TN | 5W    |
| 0255 | K50I   | 559 | TIM    | NM | 5W    |
| 0256 | KE0WW  | 579 | MIKE   | MN | 4W    |
| 0258 | VA6RF  | 559 | EARL   | AB | 5W    |
| 0300 | AB5II  | 599 | DON    | OK | 5W    |
| 0301 | AA7EQ  | 559 | BOB    | AZ | 5W    |
| 0302 | K4FB   | 599 | PAUL   | FL | 5W    |
| 0304 | KB7WW  | 559 | ART    | OR | 5W    |
| 0305 | KB1ENS | 559 | JOHN   | VT | 5W    |
| 0307 | KM1Z   | 559 | FRAN   | VT | 5W    |
| 0308 | WB8WTU | 559 | DENNIS | OH | 5W    |
| 0310 | AF4LQ  | 579 | MIKE   | KY | 5W    |
| 0311 | KI0II  | 559 | RON    | CO | 4W    |
| 0313 | VE6EX  | 559 | DAN    | AB | 5W    |
| 0314 | WA8BXN | 559 | MIKE   | OH | 5W    |
| 0316 | KU4TN  | 559 | JAMES  | VA | 500MW |
| 0318 | KG4FGC | 559 | KEN    | NC | 5W    |
| 0319 | N0IT   | 559 | DAVE   | MO | 5W    |
| 0320 | N0KLV  | 559 | KEVIN  | MN | 5W    |
| 0322 | WA4NWW | 599 | RICK   | AL | 5W    |
| 0324 | K5DI   | 589 | KARL   | NM | 5W    |
| 0326 | W8YMO  | 579 | HARRY  | OH | 5W    |
| 0329 | N9WW   | 579 | JIM    | IL | 5W    |
| 0330 | WB8RCR | 559 | JOHN   | OH | 5W    |
| 0333 | WA7TQK | 559 | BILL   | ID | 5W    |
| 0337 | WD5CMA | 559 | GLORIA | LA | 200MW |
| 0340 | W0JOE  | 559 | JOE    | MO | 5W    |
| 0343 | KK7OQ  | 559 | JIM    | OR | 5W    |
| 0345 | W5YW   | 569 | MIKE   | LA | 1W    |
| 0346 | N4SO   | 599 | KEN    | AL | 5W    |
| 0348 | NV4V   | 559 | PETE   | KY | 5W    |
| 0356 | WU9F   | 559 | TERRY  | WI | 5W    |
| 0357 | N5OHL  | 559 | JIM    | OK | 5W    |
| 0000 | W8RU   | FOX | RON    | MI | 5W    |

-----



Date: Thu, 08 Mar 2001 18:52:42 -0000  
From: "Tom Dufresne" <tdufres@hotmail.com>  
To: Karl.Kanalz@allegiancetelecom.com, qrp-1@Lehigh.EDU  
Subject: [93512] RE: pgm to print blank logbook pages?  
Message-ID: <F182F58tP9DLf4bg5Xm00003b6f@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I have often wondered if there are logbooks that use a "stiffer" paper than typical weight paper. I HATE the way my Radio Shack logbook pages roll up on the lower edges. I would love to have a logbook that didn't do that-I've been thinking of printing one on thicker stock. I would like to see what others have done.

Tom

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Thu, 8 Mar 2001 14:27:36 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: cybrinjn@gis.net  
Cc: qrp-1@lehigh.edu  
Subject: [93513] Re: Source for large transformers?  
Message-ID: <200103081901.f28J10G28765@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> thinking of using a transformer from a dead automotive  
>battery charger, it's a monster and probably will work.

It's possible to use an old car battery charger transformer, but it's a little bit of a change. The problem is there is very little head room to work with. At full current, there will only be a few volts of differential to work with.

So, you need to use a very large filter cap (50,000 ufd or more) to keep the ripple to a minimum and you need to build a regulator with a low drop out voltage.

I used a NPN pass transistor with a PNP transistor connected from the collector to base to supply base current. A NPN (darlington) transistor is connected from the base of the PNP to ground and is driven by an op amp error amp. This results in about a 1.7 volt drop across the pass transistor at full current (10A)

Using a PNP pass transistor would allow for even a lower drop out, but we'd be wasting a lot of current to ground through the base. Using the NPN/PNP combo, we have a higher drop out voltage, but all the base current for the NPN goes into the output and only a fraction of the input current needs to flow through the PNP driver transistors base to ground.

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Thu, 8 Mar 2001 13:01:55 -0600  
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [93514] FS: Poqet Computer- sold.... sorry  
Message-ID: <F05408425630D4118DEE0000F840B5D485C9C9@alrsrv02.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain

Looks like the Poqet computer is spoken for.

Steve Brockwell KC5TTY  
Elgin, OK

-----  
Date: Thu, 8 Mar 2001 11:11:11 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@lehigh.edu>  
Subject: [93515] QRPTTF Special Operation at the VLA  
Message-ID: <01c0a803\$89fb7420\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, sometimes you get lucky in life. Last summer, I was driving across country and one of my stops was at Socorro, NM to visit Paul and Jan. The road that I took was I-40 through Winslow (yes, I stopped and stood on the corner, and waved at a girl driving by in a Ford pickup, but it wasn't a flatbed, but she was a babe) then turned South at Holbrook and went across country towards Socorro. I came into the valley or plateau actually that the VLA is located on from the Datil side. Guys, the view from that direction of the VLA is absolutely stunning. I will never forget it. It was right at dusk, and the site of those antennas out there on the prairie

is something that I will never forget. Thoughts went through my mind of them listening to sounds from far out in space, and it was bone chilling.

This year, when I operate QRPTTF, if I am lucky enough to contact (pun intended) the VLA special station, I will have that treasured picture in my mind. If you ever visit the VLA, if there is anyway, make your first approach from the Datil side, you won't regret it. Better yet, do it at dusk.

Paul and Jan have done a wonderful job of arrangeing for some special things to happen during this operating event. Think about it. They have Dave Sumner, K1ZZ, agreeing to be a special station in this event!! Dave, by the way, is a qrper. He spent about 2 hours in the QRP Hospitality room at Pacificon visiting with Dave Fifield, George Heron, Jay Bromley, Dan Tayloe, Tony Fishpool, Graham Firth and the rest of the guys. Plus, he has encouraged more articles about qrp in QST. Dave is one of the good guys.

They also have gotten permission to operate a ham station in the middle of the VLA. That absolutely blows my mind. Wonderful opportunity for a cover shot for QST. Are you listening Rich Arland???? Gotta get a great shot and put it on the cover of Rolling Stone, err, QST. If that happens I'll buy 5 copies and give'em to my brother.

Mark the 28th of April on your calender guys. QRP is gonna rock that day.  
72, Doug, KI6DS

PS: Thanks Paul and Jan, you never cease to amaze me.

-----  
Date: Thu, 8 Mar 2001 14:01:22 -0600 (CST)  
From: christian void <cvoid@morphine.com>  
To: qrp-l@lehigh.edu  
Subject: [93516] OT: telocity dsl gateway noise solutions?  
Message-ID: <Pine.LNX.4.20.0103081359460.31014-100000@donut.morphine.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

so, anyone out there dealt with telocity gateway noise? any suggestions? tried contacting telocity to ask for manufacturer information but we all know how well that works... :)

73 de christian - kf6ihu/9

-----

Date: Thu, 8 Mar 2001 14:47:19 -0500  
From: "Acito, William" <William.Acito@brooks.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>  
Subject: [93517] RE: pgm to print blank logbook pages?  
Message-ID: <857F15D7E3D8D3118D290008C7CF05860382C968@mail-naeast1.brooks.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I started using a "Lab Notebook" -- you know the ones, a little bigger than a 8x11 sheet, black binding (or spiral), reddish brown covers, manila-colored pages in graph paper lines and numbered pages. Staples, Office Max has them...

I decided there were a lot of other little notes I wanted to keep -- propagation, station changes, notes and procedures to myself (the secret way to put a PL259 on coax) --- that if I used a standard log I would go through it in a week or too. It's a scrap book intermingled with the log.

Excel is good for making custom log sheets, too.

Bill  
w1pa

-----  
Date: Thu, 08 Mar 2001 11:24:34 -0800  
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [93518] 6m Handheld (Slightly OT)  
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F43099801DD@blaze.bcsbc.GOV.BC.CA>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I was digging through some boxes of old junk I've saved over the years and came across a project that I never got around to completing. It's a conversion of an old, and I mean old, Knight Kit C-100 CB walkie-talkie to 6 meters. In playing with it last night, I think a couple of the transistors have gone south. I searched the web and the supplier catalogs I have and can't find the numbers. They are:

660116 703  
660116 651

They have a round black plastic top on them and there is a large "F" right next to the number. One is used as an audio amp and the other is an RF amp, I think. Does anyone have a cross reference for these? Thanks for any help.

Doug VA7DD  
MailTo:Doug.Davies@gems3.gov.bc.ca

-----  
Date: Thu, 8 Mar 2001 14:18:21 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <phil@vaxxine.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [93519] Variable cap measurement by area viable  
Message-ID: <004301c0a80c\$ebfb1af0\$4e100a0a@rohredt2000>

Don't dismiss the basics! You do not have to worry about anything else, just approximating the plates as parts of circles gets a reasonable estimate about effective area. It is close enough for government work, and ham work especially! :-)

Sure it is nice to have a meter, and some DVMS will measure larger caps easily today. But for pf level caps, the quick measurement of a few, by the area method and standard handbook formulas will teach you a lifetime valuable skill to use at a ham fest and recognize a useful transmitting cap from a receiving cap for high voltage applications, or to find something by eyeball alone, to build a 160m to 10m transmatch, (which few of the commercial ones will do, (160m)) or build a truly balanced transmatch, which are very expensive from the one or two commercial world sources. The same for learning a few basics of how many turns on Solenoid coils will produce what inductance re your needs for transmatches. It gets more complicated for toroids, but at least you will have some feel for LC ratios.

The Antenna Analyzers, like the 259B MFJ, or the smaller pocket sized Auteks nicely do the direct measurement of capacitors, and even the older 259 can be used in indirect measurement methods.

One poster mentioned the excellent method of taking a crystal test oscillator, and inserting a known coil, and parallel the unknown capacitor, and look for the oscillation frequency on your general coverage receiver. Another good reason to have both of those as test instruments!

It actually takes less time in SOME ham shacks to do the physical area formulas, than to find the digital instrument, replace the dead batteries, or go to the store to buy batteries when you find your spares are all gone

to the kid toys, etc, etc. You do keep your ARRL Handbook and others handy, right?

I was very lucky to have been given a General Class course by a Senior Air Force Electronics Instructor, who did all but teach us how to make our own vacuum tubes! :-)) It was a lifetime valuable experience and for which I still have the notes to read and relearn.

72, Stuart k5KVH

-----  
Date: Thu, 8 Mar 2001 16:26:50 -0500 (EST)  
From: n2go@arrl.net  
To: qrp-1@Lehigh.EDU  
Subject: [93520] Re: source for large transformers  
Message-ID: <Pine.LNX.4.21.0103081618510.1820-1000000@valhalla.v>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

you might consider winding one. Using an old transformer salvaged from an old TV (of the tube variety) and rewinding the secondary. There are descriptions in the older handbooks. You can calculate the duty cycle and turns ratio for the voltage that you need.

I still have a notebook somewhere with my notes and calculations for building a hypersil transformer that I used in a 4-1000A power supply. It had taps for 3000, 4000 and 5000 operations. Yikes, I remember the little hairs standing up on the back of my neck when I first fired up the power supply. :)) Definitely a "one hand in the pocket" type of project.

The amp worked great BTW. Now I find that I don't need one....

73,

Jim

-----  
Date: Thu, 8 Mar 2001 16:18:36 -0500 (EST)  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: n9vv@n9vv.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93521] Re: your mail  
Message-ID: <Pine.BSF.4.10.10103081617590.14799-1000000@quartz.gly.fsu.edu>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just set up a page in Excel in a format I like and print them off as needed.

-----  
Date: Thu, 8 Mar 2001 16:22:32 -0500  
From: "Steve Hanson" <ke1lg@qsilver.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [93522] Still cleaning...Astron RS-35M  
Message-ID: <007c01c0a815\$e3f90020\$2994e3d8@mint.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Down to abt the last item-will sell a like-new Astron RS-35M Power Supply for 130.00 + shipping from Maine. Used very little-check HRO price new.

This one is abt a year old, and a perfect 10/10.

ke1lg@qsilver.net

-----  
Date: Thu, 8 Mar 2001 13:23:35 -0800 (PST)  
From: Richard Fisher <ki6sn@yahoo.com>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Cc: russ@natworld.com  
Subject: [93523] Now Showing: The ARS Sojourner  
Message-ID: <20010308212335.16056.qmail@web12106.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

The March edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, is yours free and just a click away at:

<http://www.natworld.com/ars>

This month's edition has an delicious mix of operating and technical

articles from our staff of contributing editors and from ARS' talented membership.

Here's a look at the March index:

- + Building a Binaural Weekender from the Schematic, by Dennis Payton, N9JXY
- + The assault on Mt. Whitney - June 1999, by John Ceccerelli, KC4TXR
- + The ARS Lab Reviews: Yaesu's FT-817 Backpacking Transceiver, by Russ Carpenter, AA7QU
- + ARS Goals (Cont.): Making Time and Aiming High in 2001, by Mike Herr, WA6ARA
- + Top of the World: Add Your Name to the High Points Chronicle, by Richard Fisher, KI6SN
- + From Our Vantage Point: Strength in Numbers, an editorial by The ARS Sojourner
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + Upcoming ARS events, including the April Spartan Sprint, on April 2
- + Results and soapbox comments from the March Spartan Sprint, with special honors to division winners K0EVZ and N9AW.
- + Wilderness Alerts for March, 2001 (regularly updated). . . and more.

On behalf of webmaster Russ Carpenter, AA7QU, The ARS Sojourner staff and contributing writers, we hope you enjoy this month's magazine, and appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN  
Executive editor, The ARS Sojourner  
Riverside, CA  
KI6SN@yahoo.com

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Do You Yahoo!?  
Get email at your own domain with Yahoo! Mail.  
<http://personal.mail.yahoo.com/>

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Date: Thu, 8 Mar 2001 13:52:22 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@lehigh.edu>  
Subject: [93524] Manhattan is moving to Arkansas



Message-ID: <01c0a81a\$0e068be0\$330b0d0a@doug.dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

No, Bill is not going to move his office to Ft. Smith, but the real reason that Manhattan is a familiar term to every QRPer is the construction style that Jim Kortge made popular with his famous winning entry in the NorCal 2222 building contest at Dayton. Jim's rig spawned a complete issue of QRPP on the style, and he has continued to build projects and improve other designs using the method.

Guys all over the world are now using the method, and building circuits like crazy. Almost every day someone mentions on qrp-l that they have built something Manhattan style. Chuck Adams has perfected the art and has gotten so good at it that he has retired from building competitions using the method. Mike Fitzgibbon used the method to build a whole set of SST's, and even used it to design a 10 meter transceiver that used the SST as the foundation, and then he expanded it and improved it to work on 10 meters. It too was the subject of a huge article in QRPP, and there will be a follow up soon of Jim Kortge's optimizing of the rig. Guys what is happening is that QRPers are building like never before, and they are able to do it when they want to, because they don't have the constraints of having to have pc board. Ugly construction is hard for some of us, but Manhattan is easy, as you just basically follow the layout of the schematic. And if someone else has built it and has pictures on the web, you have a great guide to go by!!

Well, listen, for the first time ever, these three Giants of Manhattan Construction style, Jim Kortge, Chuck Adams and Mike Fitzgibbon will all be at Arkiecon, and JayBob is doing his best to get all of them to bring their famous rigs for us to see. Man think about a display of the original 2N2222 rig, the 2N2/6, The Manhattan SST's from Mike, the Iowa QRP 10, Jim and Chuck's version of the Iowa QRP 10, and all of the rigs that Chuck has built using the method, you know, his prize winners!!! Wow, I get chills just thinking about that one. If you live anywhere in 500 miles of Ft. Smith, Arkansas, you owe it to yourself to get there for the forum Saturday and the party on Saturday night. JayBob says that he thinks he can get them to bring the rigs. Sure wouldn't hurt if you guys helped encourage them.

JayBob has come to Pacificon the last 3 years and roomed with me. I look at the lineup of people coming to Ft. Smith, and I think the guy has been stealing my ideas. His roster of people is amazing: Jim Cates, Vern Wright, Paul Maciel, Dave Fifield, Dave Gauding, Mike Fitzgibbon, Chuck Adams, Jim Kortge, George Heron, Jim Duffey, George Pierce, Glen Reid, Ed Manuel, Clif Sikes, Burl Keeton, Dub Thornton, Dennis Foster, Charles & Ernestine from Texarkana (Every time I play Cottonfields I think of you and the great hug you gave me Ernestine), Mose Howard, Kelly Ellison, Gary

Harrison, Darryl Swenson, and the local celebs will all be there, Keith Newman, the Hangin' Judge Kelsey Mikel, Governor Win Dooley, Kathy Vines, boy it doesn't get any better than that. And the opportunity to see the very foundations of Manhattan construction. Oh my gosh, it's gonna be a party. And don't forget we'll have titled visitors from England there, Lord Graham Firth and Sir Tony Fishpool. Don't worry guys, you won't have to call them Lord Graham or Sir Tony, they will answer to just Tony and Graham, but if you wish to be proper ..... 72, and I'll see you in Ft. Smith soon!!!!!!!

-----  
Date: Thu, 08 Mar 2001 17:27:17 -0500  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93525] Fox: Fox cub log 3/7/2001  
Message-ID: <3AA80745.F9522648@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks once again to all the hounds for a memorable hunt. Please send any corrections ASAP so I can get the fox cub scoring site finished up for the year and we can declare the winners.

73,

John, KB1ENS  
Holland, VT

--  
KB1ENS log for fox cub hunt 3/7/2001  
--

0200 AF4PS 579 FL MAC 3W  
0203 AC5JH 559 OK TOM 5W  
0204 KC1FB 559 CT JIM 5W  
0205 W9WIS 559 WI MIKE 5W  
0207 W3PNL 579 PA JOE 3W  
0209 N4ROA 579 VA DAVE 100mw  
0211 NU8S 559 OH DENNIS 5W  
0212 N8VAR 559 OH RON 5W  
0214 K4BYF 559 FL JACK 5W  
0217 K9IUA 579 ND KEVIN 5W  
0221 NC90 559 IL SKIP 2W  
0222 N3AO 55N PA CARTER 5W  
0223 W9XU 55N WI LON 5W  
0225 KK5RD 559 TX DAN 5W

0226 AE4IC 599 NC BOB 5W  
0228 W0CH 579 MO DAVE 5W  
0229 KB3EOF 559 MD MURPHY 3W  
0231 W3SMK 599 NJ STEVE 5W  
0232 K9IS 559 WI STEVE 5W  
0233 K0EVZ 579 ND DOC 5W  
0235 W9HL 579 IL RANDY 5W  
0236 WB8RCR 559 MI JOHN 5W  
0237 K4TJD 559 GA TOM 5W  
0239 N04D 559 SC KEN 5W  
0240 W5YR 559 TX GEORGE 5W  
0242 K0FRP 579 CO AL 5W  
0243 W2XN 559 FL FRED 5W  
0244 KV4EE 449 SC CRAIG 5W  
0246 KV4TN 559 VA JAMES 5W  
0250 KJ0C 559 MO JIM 5W  
0252 VA6RF 55N AB EARL 5W  
0253 K5DW 449 TX DAN 2W  
0256 WA8BXN 559 OH MIKE 5W  
0304 W8RU 559 MI RON 5W  
0308 WB8ICN 55N MI MIKE 5W  
0312 K4FB 559 FL PAUL 5W  
0319 WB2EWU 579 NY BOB 5W  
0322 AF4LQ 559 KY MIKE 5W  
0324 WB8WTU 559 OH DENNIS 5W  
0325 KB9YIG 559 IN TONY 2W  
0326 N0IT 559 MO DAVE 5W  
0327 N4JIU 559 TX BRUCE 5w  
0330 AC5II 529 OK DON 5W  
0331 KI0II 559 CA RON 5W  
0333 N9WW 559 IL JIM 5W  
0335 W8YMO 579 OH HARRY 5W  
0337 W0JOE 559 MO JOE 5W  
0342 KK5LD 559 TX DAN 5W  
0344 N4VM 559 559 TN BRYN 5W  
0346 NV4V 559 KY PETE 5W  
0352 KM1Z 559 VT FRAN 5W  
0354 WE4ARC 559 FL PAUL 500mw  
0357 WU9F 559 WI TERRY 5W  
0400 KB1ENS 559 VT JOHN 5W

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)  
Web page: <http://www.neknetwork.com>

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Date: Thu, 08 Mar 2001 17:36:00 -0500

From: John Wagner <john@neknetwork.com>  
To: ki6ds@dph.dpol.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93526] Re: QRPTTF Special Operation at the VLA  
Message-ID: <3AA80950.8F920F9D@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doug Hendricks wrote:

>  
> They also have gotten permission to operate a ham station in the middle of  
> the VLA. That absolutely blows my mind. Wonderful opportunity for a cover  
> shot for QST. Are you listening Rich Arland???? Gotta get a great shot and  
> put it on the cover of Rolling Stone, err, QST. If that happens I'll buy 5  
> copies and give'em to my brother.

Without a doubt, this has to be one of the greatest photo ops in recent history. I would say about the only thing that could top it would be a shot of a qrp'er stringing up a norcal doublet off the ISS and operating an SMK-1! [and don't tell me there isn't one of us here, given the opportunity for a trip to the ISS wouldn't take along a qrp rig and string up a dipole!]

Way to go Paul and Jan hope to work you!

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com  
Web page: <http://www.neknetwork.com>

-----  
Date: Thu, 8 Mar 2001 17:42:56 -0500  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93527] Re: Variable cap measurement by area viable  
Message-ID: <200103082241.RAA03701@hat-trick>

Stuart's right on the mark about parts spotting and time saved.

In the old days, they'd have contests at the hamfest for CW, estimating parts value by eye, even left footed CW speed test (which left handed friend always won).

-bob

---Morse code is playing the game. That other stuff is spectator sport---

-----  
Date: Thu, 8 Mar 2001 16:02:16 -0700  
From: "Bruce Kizerian" <kizerian@ced.utah.edu>  
To: <ki6ds@dph.dpol.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [93528] Re: Manhattan is moving to Arkansas  
Message-ID: <0e5e01c0a823\$d2955e60\$316b6e80@ced.utah.edu>

> Guys all over the world are now using the method, and building circuits  
like  
> crazy

Guys

If you want to see another outstanding example of Manhattan construction  
check out Dennis Payton's (N9JXY) work at:

[http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/binaural.h  
tml](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/binaural.html)

He should be added to the list of "greats" and invited to the contest...

Bruce kk7zz

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End of QRP-L Digest 2120

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